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Kingsley, K.J.

1979-80

Catalogue

#1-494 (see typescript)

Calif

Nevada

Mammals of Grapevine Mts, Death Valley Nat'l. Mon.

1. Peromyscus ~~crinitus~~ eremicus ♀

DVNM Scotty's Ranch 18 Feb 1979

181-89-21-19 young, no embryos, no scars

coll. Kingsley prep. CL Douglas

2. Mus musculus UNLV - 27 March 1979 ♀ no embs.

"Cancer Mouse" 26.4g 184-87-19-15

3. Peromyscus ~~crinitus~~ eremicus ♂

DVNM Scotty's Ranch (#1) 18 Feb 1979

20.5g 165-95-21-20 Testes abdominal 6x4, 5x4

4. Peromyscus ~~crinitus~~ eremicus ♀

DVNM Scotty's Ranch (#3) 18 Feb 1979

20.9g 180-96-19-20 4 scars

5. Neotoma lepida ♀ 6 scars

UNLV - Physiology rat 85.3 265-112-27-28

6. Neotoma lepida ♂ abdom. 14x9 13x9

DVNM Scotty's Ranch (#7) 18 Feb 1979

76.5g 263-115-31-26

7. Neotoma lepida ♂ scro. 15x8 14x9

DVNM Scotty's Ranch (#6) 18 Feb 1979

115.7g 275-150-31-26

8. Peromyscus ~~crinitus~~ eremicus ♂ int. 6×6·6×6

DVNM Scotty's Ranch 18 Feb 1979 (#5)

17.3 169-91-19-18

#.

9. Peromyscus ~~crinitus~~ eremicus ♀ 3 scars - dev. mammae

DVNM Scotty's Ranch 18 Feb 79 (#8)

21.7 173-83-19-15

10. Peromyscus ~~crinitus~~ eremicus ♂ abdom 5×4 5×4

DVNM Scotty's Ranch 18 Feb 1979 (#9)

crits

19.5 g 180-98-19-20

#

11. Peromyscus ~~crinitus~~ eremicus ♂ abdom 6×4 6×4

DVNM Scotty's Ranch 18 Feb 1979 (#2)

19.3 g 145-62 (stomp)-19-18

12. Ammospermophilus ~~leucopus~~ leucurus

DVNM Titus Canyon Rd. 10 Mar 1979

83.3 g. 195-52-33-13-

Sandy wash

13. Dipodomys microps ♀-3 embs. 27·28·29 mm

DVNM Titus Canyon Rd 10 Mar 1979

63.5 g 252-155-41-13

Sandy narrow wash

14. Peromyscus maniculatus ♀ 3 emb. 16, 18, 18 mm

DVNM Titus Canyon Rd 10 Mar 79

~~B~~ 23.6g 152-70-19-20

Rocky N slope (no skin)

15. Dipodomys microps ♀ 1 emb. 2 cm long

DVNM Titus Canyon 10 Mar 1979

62.8g 270-162-42-18

rocky-sandy island in wash

16. Dipodomys merriami ♀ 2 emb. 1 cm long

DVNM Titus Canyon Rd 10 Mar 1979

38.3g 235-140-$\frac{34}{15}$-11

sandy narrows wash {parasites}

17. Peromyscus maniculatus ♂ abdom. 7x5, 7x4

DVNM Titus Canyon Rd 10 Mar 1979

19.6g 150-63-18-17

rocky N slope

18. Peromyscus maniculatus ♂ abdom 10x6 9x6

DVNM Titus Canyon Rd. 10 Mar 1979

18.8g 147-64-18-19

sandy narrows wash

19. Peromyscus maniculatus ♂ scrotal, 10×6, 9×6
DVNM Titus Canyon Rd 10 Mar 1979
17.5g 148-63-19-17
sandy narrow wash

20. Peromyscus maniculatus ♀ - gave birth in trap 4 young
DUNM Titus Canyon Rd 10 Mar 1979
26g (19.4 g + 6.6g·young)(young in formalin) 150-64-19-17
sandy narrow wash

21. Dipodomys merriami ♂ 10×6 10×6 Abdom.
DVNM Titus Canyon Rd 10 Mar 1979
41.0g 246-149-37-13
rocky ridgetop {parasites}

? 22. Peromyscus maniculatus ♂ scro 9×5 8.5×5
DVNM Currie Well 31 Mar 79
parasites
Sagebrush, Rocky cairn, sage flat
16.3g. 135-54-19-17

23. Peromyscus crinitus ♀ no emb 4 scars
DVNM Currie Well 31 Mar 79
Sagebrush, hilltop
12.3g 151-82-18-15

24. Peromyscus maniculatus ♂ abdom 8×4 8×4
DVNM Currie Well 31 Mar 79
Sagebrush, rocky hillside
15.0g 129-54-19-14

25. Peromyscus crinitus ♂ descended 8×5 8×5
DVNM Currie Well 31 Mar 79
Sagebrush, base of sagebrush, flat-rocky-gravelly

26. Peromyscus crinitus ♀ 9 scars lactating
DVNM Currie Well 31 Mar 79
Sagebrush, cinders, base of Ephedra
18.6g 150-73-18-18

27. Peromyscus maniculatus ♀ 4 emb 8, 9, 8, 4
DVNM Currie Well 31 Mar 79
Sagebrush, base of sagebrush, gravelly flat
17.6g 144-64-19-19

28. Dipodomys microps ♂ abdom 9×5 9×6
DVNM Currie Well 31 Mar 79
Sagebrush, base of cliffrose, cinders; ☐ # 30
60.3g 265-134-42-12

29. Peromyscus crinitus ♂ abd. 7×4 7×4
DVNM Currie Well 31 Mar 79
Sagebrush, rocky hillside at Neotoma nest
13.5 155-78-18-16

30. Dipodomys merriami ♀ lac. 2 scars
DVNM Currie Well 31 Mar 79
Sagebrush, base of cliffrose; cinders; ☐ # 28
36.7g 230-140-38-12

31. Dipodomys microps ♂ ab. 9x6 9x6

DVNM Currie Well 31 Mar 79

P Sagebrush, cinders, base of Lycium

65.5g 262-150-42-13

32. Peromyscus crinitus ♂ abdom 9x4 8x4

DVNM CurrieWell 31 Mar 79

Sagebrush, base of sagebrush, hillside, gravelly

15.0g 158-91-19-17

33. ~~Neotoma~~ Neotoma lepida ♂ scro. 20x9 19x9

DVNM CurrieWell 31 Mar 79

Sagebrush; biggest on rocky hillside

166.4g 301-135-30-29

34. Peromyscus ♂ abdom 9x5 7x5

DVNM CurrieWell 31 Mar 79

Sagebrush; drainage channel, rocky, cinders

18.9g 145-66-19-19

35. Ammospermophilus leucurus ♂ scro. 15x8 17x8

DVNM CurrieWell 31 Mar 79

P Sagebrush, sage-cliffrose, cinder flat

89.4g 195-59-35-9

36. Neotoma lepida ♂ abd. 16x10 16x10

DVNM Currie Well 31 Mar 79

P Sagebrush, rock cairn, hill top

150.6g 278-117-28-30

37. Peromyscus maniculatus ♂ scro 9x5 9x5 ←

DVNM Currie Well 31 Mar 79

Sagebrush; base of sagebrush; flat, gravelly

18.4 145-66-18-16

38 Peromyscus maniculatus ♂ abdom 9x5 9x5 ←

DVNM Currie Well 31 Mar 79

Sagebrush, rocky wash

17.5 143-62-19-16

39. Peromyscus crinitus ♀ nonemb no scars ✓

DVNM Currie Well 31 Mar 79

Sagebrush, base of sagebrush, rocky-gravelly

12.4 157-88-18-17

40. Peromyscus maniculatus ♂ scro. 8x5 7x4 ←

DVNM - Currie Well 31 Mar 79

parasites Sagebrush; drainage, rocky-cinder; base of cliff/rock

21.9g 148-60-19-16

41. Peromyscus maniculatus ♂ abdom. 9x4 9x4

DVNM - Currie Well 31 Mar 79

Sagebrush, hill top, rock cairn

22.0g 147-61-19-15

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42. Dipodomys merriami ♂ scro. 10x6 10x6 ←

DEVA - ~~location~~ Phinney Canyon Rd 5200-ft

sand wash, under sagebrush

30 May 79

43.2g 252-143-37-12

43. Perognathus longimembris ♀lac 11 scars
DEVA - Phinney Canyon Rd. 30 May 1979 5200'
sand wash under ~~cliff rose~~ purshia
10.0g 134-69-19-6

44. Dipodomys microps ♀lac 4 scars (2 old, 2 new)
DEVA Phinney Canyon Rd. 30 May 1979 5200'
Sand wash under Hymenoclea
50.3g 255-143-41-12

45. Dipodomys microps ♂scro 10x5 11x5
DEVA Phinney Canyon Rd 30 May 1979 5200'
brush pile, under sagebrush
56.2g 261-155-40-12

46. Dipodomys microps ♀ 4 scars
DEVA Phinney Canyon Rd 30 May 1979 5200'
gravel, sagebrush, ~~Acnodora~~ Spinescens
60.9 275-160-42-12

47. Neotoma lepida ♂scro 12x6
~~sage~~ DEVA Phinney Canyon Rd 30 May 79 5200'
Sagebrush small wash, no obvious nest near
126.7g 272-111-29-27

48. Peromyscus maniculatus ♂ab 7x3
DEVA - Phinney Canyon Rd, 30 May 79 5200'
sagebrush, gravel
11.0 g 131-59-18-16 melting

49. Neotoma lepida ♂ ab. 6x3 6x3

DENA - Phinney Canyon Rd 30 May 1979 5200'

rocky hilltop, sagebrush

78.7g 241-102-28-26

50. Peromyscus maniculatus ♂ scro 10x5 10x5 ✓

DENA - Phinney Canyon Rd. 30 May 1979 5200'

rocky, cliffrose, ephedra, near hilltop

16.5g 150-62-20-18

51. Peromyscus crinitus ♂ scro 4x5 9x5 ✓

DENA - Phinney Canyon Rd. 30 May 79 5200'

rocky, sagebrush, yucca ~~baccata~~ ~~terrifolia~~, hillside

12.8g 163-84-20-16

52. Perognathus formosus ♀ lac. 4 scars ✓

DENA - Phinney Canyon Rd 30 May 1979 5200'

rocky, base of hill, sagebrush, ephedra

stump

20.0g 124-45-23-10

53. Perognathus longimembris ♂ ab. 5x3

DENA - Phinney Canyon Rd. 30 May 1979 5200'

gravel, sagebrush

8.1g 136-72-19-6. skeleton only, to CLD

54. Ammospermophilus leucurus ♂ ab. 8x3 8x3 ✓

DENA - Phinney Canyon Rd. 30 May 1979 5200'

small sandy wash, sagebrush

61.0g 175-65-34-11

55. Neotoma lepida ♀ no emb. no scars
DENA Pinney Canyon Rd. 30 May 79 5200'
rocky hill crest cave sagebrush + cliffrose
75.9g 244-106-30-23

56. Neotoma lepida ♂ ab. 13x5
DENA Pinney Canyon Rd. 30 May 79 5200'
rock pile, sagebrush
105.6g 261-112-30-29

57. Peromyscus crinitus ♀ lac. + 4 emb 9,9,8,9
DENA Pinney Canyon Rd. 30 May 79 5200'
rocky, sagebrush + Ephedra
17.4g 185-100-21-18

58. Peromyscus maniculatus ♂ abdom 4X3
DENA Pinney Canyon Rd 30 May 79 5200'
rocky, sagebrush
12.4g 129-58-18-13

59. Ammospermophilus leucurus ♂ test 14x6
DENA - Pinney Canyon Rd 30 May 79 5200'
small sandwash, sagebrush + ~~cliffrose~~ purshia
102.1g 205-60-37-10

60. Ammospermophilus leucurus ♀ no emb no scars
DENA - Pinney Canyon Rd. 30 May 79 5200'
gravelly flat, hyciun and Grayia
51.7g 170-61-34-11

61.-73

Strozzi Ranch 12 June 79

12 June 1979 - Strozzi Ranch DeVA 6200'

skullonly
61. Peromyscus maniculatus ♂ scro 9x5 9x5

148-68-20 17 along stream 19.5g

62. Reithrodontomys megalotis ♀ lac. 4 recent scars

10.7g 132-66-15-12 along stream

skullonly
63. Peromyscus maniculatus ♂ scro. 8x4 7x4

11.3g 143-63-19-16 along stream

skullonly
64. Peromyscus maniculatus ♂ scro. 8x4 9x4.5

15.1g 145-67-20-17 under celeubine, rock cleft

65. Peromyscus truei ♀ lac. 3 amb 12,12,11; 1 dead, absorbing 3 mm.

25.0g 191-93-21-25 along stream +7 scars

66. ~~15.7g~~ Peromyscus maniculatus ♂ ab. 7x4 7x4

15.7g 146-61-20-17 along stream

67. Peromyscus maniculatus ♀ 6 amb, 13,13,12,12,12,~~12~~ mm

22.0g 146-64-19-16 along stream

68. Peromyscus maniculatus ♀ no amb no scars

13.6g 132-58-19-15 amid dense willows, nettles, roses

69. Peromyscus maniculatus ♂ ab. 3x2 (dark)

11.5g 136-58-18-16 brush pile, sagebrush

70. Peromyscus maniculatus ♀ no amb no scars

12.6g 139-64-19-16 under rose bush

71. Peromyscus maniculatus ♀ no amb no scars

12.5 130-57-18-15 at spring: willows + chrysothamnus

skullonly
72. Peromyscus maniculatus ♂ scro 8x4

11.8g 139-63-19-16 under artemesia, rocky, base of large rock

73. Peromyscus maniculatus ♂ scro 9x5 8x4

20.3g 158-70-19-17 at spring: willows + chrysothamnus

~~74. P[illegible]~~

~~27 June 1979 Pinyon Flat DeVA 6200'~~

25-27 June 1979 Phinney Mine Shaft DENA 6800'

74. Peromyscus maniculatus ♂ scro 7×4 8×4

13.1g 152-68-20-17 under sage + Purshia, near pinons, small rocks

75. Peromyscus truei ♂ scro 10×6

18.5g 178-86-22-25 under pinon, near creek, rocky

76. Peromyscus truei ♀ 4 emb 17, 16, 16, 15

27.1g 190-99-23-26 under Happlopappus?, near Pinons, rocky

77. Peromyscus maniculatus ♂ scro 10×5 12×7

157-69-19-18 rocky area, open

78. Peromyscus truei ♀ no emb no scars molting

13.3g 162-81-21-22 rocky, under Happlopappus, near pinons

79. Eutamias panamintinus ♀ lact. 2 scars

225-86-32-20 small gully, rocky, under Artemisia, near Pinon

~~80. Peromyscus maniculatus ♂ ab. 8×4~~

~~13.6g 150-68-21-18 brush pile, sage, tallgrass rocky~~

80. Peromyscus maniculatus ♀ no emb no scars

11.6g 137-64-19-16 under sage

81. Peromyscus maniculatus ♂ ab. 8×4

18.6g 150-68-21-18 brush pile, sage, tallgrass, rocky

82. Peromyscus maniculatus ♀ lac. 4 scars

152-69-19-17 under sage and pinon, rocky

83. Peromyscus maniculatus ♀ lac 6 scars

20.8g 159-75-19-19 under sage, sandy

84. Peromyscus maniculatus ♂ scro 8×5 9×5

15.4g 149-65-18-18 small open, rocky, sage

85. Peromyscus maniculatus ♂ scro 9×5

15.9g 142-65-18-17 base of large rock

86. Peromyscus maniculatus ♀ 4 emb 27, 26, 24, 23

165-77-19-17 under pinon.

7-10 July 1979 Strozzi Ranch DEVA 6200'

87. Peromyscus maniculatus ♂ 8×4 scro ✓

base of sage in small rocky wash 152-64-21-21

88. Peromyscus maniculatus ♀ no emb no scars ✓

134-56-20-18 under sage, small rocky wash

89. Peroquathus ~~formosus~~ parvus ♂ 1 scro lab 8×5

188-95-24-10 rocky wash, base of chrysothamnus

90. Peroquathus ~~formosus~~ parvus ♀ lac 2 scars

187-92-24-9 rocky wash, under sage

91. Peromyscus maniculatus ♀ ♂ ab 6×4, 7×4

152-58-21-19 under pinon, rocky slope

92. Peromyscus maniculatus ♀ 4 scars post lac.

skull only 152-58-19-21 rocky, sage, drainage channel, hillside

93. Peromyscus truei ♂ scro 13×8 11×7 ✓

189-80-22-27 rocky, under Ribes near Pinon+Juniper

94. Peromyscus truei ♂ scro 12×7, 11×6 ✓

192-89-22-26 rocky, under juniper

95. Peromyscus maniculatus ♀ post lac. 7 scars

skull only no measurements! under nettles + roses

96. Peromyscus maniculatus ♂ ab 7×4 ✓

149-64-21-20 under nettles, along stream.

97. Peroquathus ~~formosus~~ parvus ♀ no scars no emb ✓

12.8g 167-89-24-8 rocky wash, sage + chrysothamnus

98. Peromyscus maniculatus ♂ scro 7×4 ✓

17.9g 147-65-21-19 amid large boulders, hillside, pinons

99. Peromyscus maniculatus ♂ scro 8×5 ✓

20.0g 159-65-22-19 rocky wash, sage + chrysothamnus

19 July-20 July 1979 Phinney Mine shaft DEVA 6800'

100. Reithrodontomys megalotis ♂ scro 9x5
134-64-18-15 piñon - sage - small rocks

101. Peromyscus maniculatus ♂ scro 12x7 10x7 ✓
152-59-22-19 under piñon, small rocks
pres. Calorax. large tick.

102. Peromyscus maniculatus ♀ 5 old scars ✓
156-76-22-20 between lupine and sage, rocky
pres Calorax

103. Peromyscus maniculatus ♂ scro ✓
159-69-21-20 beside large rock
pres. Calorax

104. Peromyscus maniculatus ♂ ab 9x4 8x4
165-70-21-20 by fallen log
pres. Calorax

~~103~~

20-21 July 1979 Phinney Mine area, up rocky canyon W of camp DEVA 6800'

105, Peromyscus maniculatus ♀ no emb no scars ✓
144-62-20-18 under boulder
pres Calorax skull only

106, Peromyscus maniculatus ♂ ab. 6x4 7x4 ✓
143-63-21-19 on large flakes
pres Calorax skull only

~~107~~

21-22 July 1979 En route, 1/2 way between Phinney Mine and Grapevine Peak 7840'

107. Peromyscus maniculatus ♀ no emb no scars
152-67-20-19 top of rock outcrop
pres Calorax

108. Peromyscus maniculatus ♂ part scro. 10x5 9x5
148-62-20-20 top of rock outcrop
pres Calorax Skull only

109. Peromyscus truei ♂ ab 8x5
169-82-23-25 pinon, rock outcrop
pres. Calorax

110. Peromyscus maniculatus ♂ ab. 12x6 11x6
145-59-20-20 pinon, rocky
pres. Calorax Skull only

111. Peromyscus maniculatus ♂ scro. 9x6 11x6
147-65-21-19 pinon, rocky
pres. Calorax Skull only

112. Peromyscus maniculatus ♀ lac 4 scars
145-54-20-18 under parshia
Pres Calorax

113. Peromyscus truei ♂ ab. 9x5 8x5
175-83-23-27 under pershia
pres. calorax skull only

114. Peromyscus maniculatus ♀ post lac 4 scars
155-61-20-19 rock outcrop, ephedra
data only

115. Peromyscus maniculatus ♂ scro 12x6 11x7
160-68-21-19 under fallen tree
data only

22-23 July 1979 Grayrock Peak Artemesia meadow on NE side of peak 8660':

116. Peromyscus maniculatus ♀ lac 3 scars
149-58-21-18 under small pinon
data only

117. Peromyscus maniculatus ♂ scro 13×7 12×7
159-69-20-20 under Chrysothamnus
skull only

118. Peromyscus maniculatus ♂ scro 11×6 10×6
144-59-20-19
data only

119. Peromyscus maniculatus ♀ lac 4 emb each 5 mm
154-64-21-20
pres Calorak

120. Peromyscus maniculatus ♂ ab. 6×4 7×4
143-60-21-19
data only

121. Peromyscus maniculatus ♀ 7 scars
158-62-21-20
skull only

122. Peromyscus maniculatus ♂ scro 10×5 11×6
151-63-20-20
skull only

123. Peromyscus maniculatus ♀ no e nos
150-59-19-19 astrag
data only

124. Peromyscus maniculatus ♂ scro 10×5
148-58-19-18
data only

Cgov

4-5 Aug 1979 Phinney mine-cabin, shaft and Phinney Spring: Clear, warm, ½ moon. Set 22 traps (Museum Special) baited ± peanut butter, bacon grease, rolled oats 12 along stream, source to rock, 4 downstream from rock, 6 mine to cabin. In morning, found 6 traps sprung empty, including one that had an Ectocet up. eating the bait. Most traps had oats. Set traps at 6-7 pm, picked up at 8-9 am. Caught: 1 Neotoma 2 Peromyscus 2 Reithrodontomys 5/22

125. Reithrodontomys ♂ sexo 9x5 10x5
140-71-19-15 along stream
skin + skull (skin damaged by trap)

126. Reithrodontomys ♂ sexo 9x6 9x5
136-64-13-15 along stream
skin + skull (skin + trap damaged)

127. Peromyscus maniculatus ♂ as 10x6
158-66-20-19 rocky, mouth of mine

128. Peromyscus ♂ sexo 12x6
154-62-21-20 rocky, mouth of mine

~~129~~

129. Neotoma lepida ♂ as 8x4 6x5
258-106-31-30 at house ruins

5-6 Aug 1979 - Canyon leading to Grapevine Pk.

ca 6800' Artemisia, Chrysothamnus, scattered pinons. Rocky small wash, large rock outcrop. Prospect. 4/5 moon, light rain during night. Set 40 traps baited with peanut butter, bacon grease, rolled oats caught 1 Neotoma 1 P. maniculatus. Area heavily overgrazed by cattle, much deer sign

130. Peromyscus maniculatus ♂ sex 10×6 10,5
151-67-20-20 rocky wash
~~pro coloratus~~ Skull only

131. Neotoma lepida ♂ sex 7×5
2~~93~~-113-31-30 rock outcrop

132. Ammospermophilus leucurus ♀ no scars no ems
188-55-33-14 wash bank
~~pro Coloratus~~ Skull only

7 Aug - Plummers Mice - hanging singly in a loft
133. ~~Onychomys~~ Peromyscus ~~leucogaster~~ rufinoguii
~~8.6g 93-46-11-38-17-43~~ 93-43-10-36-14-43 8 qms

134. Pleotes townsendii ♀ lac
9.1g 97-48-13-37-18-46

135. Pleotes ♂ AN - 8×4, 6×4 enlarged
91-46-10-34-14-42 7 qms

There is no #136

16-17 August 1979. Strozzi Ranch, DENA. 6600'
set 40 sherman traps bait oats, along
road NE from ranch. 6/40

137. Peromyscus crinitus ♂ scro 9x5 ✓
13.3g | 167-40-20-18 under purshia, big rock

138. Peromyscus maniculatus ♀ lac bemb all 5mm ✓
17.8g | 148-64-20-19 gravel wash, artemesia

139. Peromyscus maniculatus ♂ scrc 10x6 ✓
18.3g | 157-73-20-18 sandy roadside, artemesia

140. Peromyscus ~~formosas~~ parvus ♂ ab 6x4 7x4 ✓
16.1g | 162-86-24-~~10~~ 9 artemesia, roadside

141. Peromyscus maniculatus ♀ 3 embs 16, 17, 17 mm ✓
18.9g | 142-56-20-19 roadside, artemesia, purshia,

142. Peromyscus maniculatus ♂ ab 5x3 5x3 ✓
15.3g | 138-61-20-19 artemesia, roadside

17-18 August, same set, 34 traps left. 1/34

143 Peromyscus maniculatus ♂ scro 9x5
17.7g | 152-70-20-19 artemesia, gravel wash

17-18 August 1979 Strozzi Ranch, DENA 6600'
set 40 Sherman traps, bait oats, 1 every 25 steps,
from near top of rocky ridge E of camp,
across canyon, over W ridge to valley.
Set by 11 am, picked up by 11 am next day.

start at valley W of camp

144. Peromyscus maniculatus ♂ sco 12x6
22.2g 152-57-21-17 low ridge, purslia, artemesia

145. Perognathus parvus ♀ no emb no scars
13.9g 159-84-23-9 low ridge, rocky, purslia, artemesia

146. Perognathus parvus ♀ 7 scars
19.3g 180-95-25-9 bench, cow bed ground, sage

NW facing, steep rocky slope

147. Peromyscus maniculatus ♀ no emb no scars
18.9g 154-62-20-18 top of ridge, rocky, Leptodactylon

148. Peromyscus crinitus ♂ sero 9x5 10x5
12.8g 156-81-20-19 under juniper, rocky

149. Peromyscus crinitus ♀ no emb no scars
14.4g 167-88-20-20 very rocky, dead juniper

150.
? white-ear? rocky, sage

17-18 Aug continued

151. Peromyscus truei ♂ scrd 10x6 11x6 ✓
P 22.3g 182-86-25-29 pershia, bottom of hill.

17 August 1979, canyon E of Strozzi Ranch

152. Odocoileus hemionus
skull only dead found at spring 219.

153. Odocoileus hemionus
skull only found in rocky side canyon
near spring 219.

154. Bos taurus
horn only found at cow bed ground
on bench W of strozzi ranch.

1-2 September 1979. Mexican Camp Rd. Approx 1.5 mi E of Mexican Camp. Sagebrush, valley, ridge, and a small rocky draw with Portulia 5400 ft.

155. Peromyscus formosus ♂ Ab. 3.5x2
189-108-25-13 19 gms SKULL ONLY

156. Peromyscus maniculatus ♀ 4 scars
147-59-20-16 13.7 gms roadside, gravel, artemesia ✓

157. Onychomys torridus ♀ no scars no ems ✓
121-43-19-16 14.1 gms small open area, meadow

158. Peromyscus formosus ♂ Ab 3x5 ✓
179-97-24-12 16.7 gms near boulder, grasses

159. Dipodomys merriami ♀ no emb no scars ✓
231-138-36-14 31.3 gms gravel, artemesia

160. Dipodomys merriami ♂ Ab 3x4 ✓
235-139-37-11 31.6 gms gravelly, Ephedra, small open

161. Peromyscus truei ♀ lac 5 scars ✓
186-88-23-27 gravelly, Ephedra, roadside

162. Dipodomys microps ♀ no ems no scars ✓
252-145-40-13 50.5 gms gravel, roadside, Ephedra, artemesia

163. Dipodomys microps

1-2 Sept 1979. Mexican Camp Rd. Continued.

164. Peromyscus maniculatus ♂scro ✓
148-64-20-18 18.1gms roadside, gravel, artemesia

165. Ammospermophilus leucurus ♂ A6 4X5 ✓
185-57-35-10 60.2gms gravel, roadside, open

166. Dipodomys microps ♂ A6 3x4 ✓
272-167-42-12 54.1gms roadside, cobbly, Tetradymia

167. Dipodomys microps ♂scro 9X5 ✓
262-161-43-15 53.7gms roadside, cobbly, tetradymia

168. Onychomys torridus ♂ ~~testes~~ not found
115-42-20-16 12.6gms roadside, dirt bank, artemesia

169. Perognathus

170. Dipodomys merriami

171. Dipodomys merriami ♂A6 4X3 ✓
215-132-37-14 21gms ridge, small open, Ephedra

172. Dipodomys merriami ♀ 3 scars not lac. ✓
233-140-37-14 34.9gms

173. Dipodomys merriami ♂A6 4X3 ✓
241-142-39-14 36.4gms

1-2 sept 1988 Mexican Camp Rd p.3

174. Dipodomys microps ♀2S ✓
261-147-41-15 51.9 gms open gravel

175. Dipodomys microps

176. Perognathus

177. Dipodomys merriami ♂ Ab 2.5 x 5 ✓
252-146-39-15 37.5 gms

178. Peromyscus maniculatus ♂ ✓
135-62-19-17 12.5 gms ridge, gravel wash, purshia

179. Onychomys torridus ♂ Ab 2.5 x 4 ✓
116-43-21-18 14.5 gms ridge, gravel wash, artemesia-purshia

180. Dipodomys microps ♀ noscar no ears ✓
252-154-40-14 48.8 gms ridge, sandy, artemesia

181. Ammospermophilus leucurus ♂ scro
204-64-35-13 80 gms gravel, artemesia, ridge

182. Ammospermophilus leucurus ♂ Ab 3x5 ✓
191-58-35-12 69 gms ridge, gravel, artemesia

183. Ammospermophilus leucurus
(176)-(32)-36-14 83.3 gms roadside, gravel

1-2 Sept 1979 Mexican Camp Rd p4

184. Dipodomys merriami ♀ no emb no scars
213-130-37-14 24.6gms gravel, meadow

185. Dipodomys merriami ♂ Ab 10x4
[225]-[119]-38-13 41.7gms SKULL ONLY ridge, artemesia

186. Perognathus parvus
166-85-23-9 ridge, sage

187. Dipodomys merriami ♂ scro 9x5
240-145-39-14 43.3gms ridge, artemesia

188. Dipodomys microps ♂ Ab 4x3
258-150-42-14 54.2gms

189. Reithrodontomys megalotis ♂ Ab 10x4
129-63-17-15 7.7gms roadside, ephedra

190. Peromyscus maniculatus ♂ scro
151-64-19-17 19.4gms roadside, dirt bank, artemesia

191. Peromyscus maniculatus ♂ scro 10x6
152-66-20-19 19.8gms skull only roadside, artemesia

192. Perognathus parvus ♂ Ab 5x3
181-99-24-9 17.9gms sand wash, pueblo

193. Onychomys torridus ♀ no emb no scars
117-45-20-17 13.2gms draw, gravel, artemesia

1-2 Sept 1979 Mexican Camp Rd p5

194. Peromyscus maniculatus ♂ scro 8×4
142-65-21-19 drew, pursleia

195. Dipodomys merriami

196. Peromyscus maniculatus ♂ scro 8×4
148-64-21-18 16gms drew, pursleia

197. Peromyscus maniculatus
155-63-20-19 20 gms drew, rocky, Ephedra

198. Ammospermophilus leucurus

199. Peromyscus

200. Peroquathus formosus ♀ no scars, no emb
196-109-25-12 16gms skullonly drew, rocky, pursleia

201. Neotoma lepida ♀ no scars no emb
262-118-29-32 106gms drew, rocky, Lycium

202. Peromyscus maniculatus ♂ scro 11×5
153-58-20-18 18.7gms drew, sage

9 sept 1979 Phinney Mine. Rocky ridge above shaft.

203. Neotoma

204. Peromyscus truei
(160-73)-22-27 24gms ♂Ab captive 1yr.

205. Peromyscus maniculatus 25.1gms

206. Peromyscus truei ♀ no emb no scars 185-88-24-28 24.5gms rock outcrop
killed 28 Aug 1980.

207. Peromyscus

208. Reithrodontomys megalotis ♀ non rep.
134-64-16-15 12gms

all of these were kept alive and used for physiology experiments.

Nevada. Nye Co. Death Valley N.M.
Grapevine Mtns. Phinney Canyon Rd. 7 mi E 1 mi N Grapevine Peak
5200 Ft.

13-14 Oct 1979 Seismologic station, Phinney Mine Road at junction with crossroad to Strozzi Ranch Rd.

209 - Perognathus amplus
stony gully, purslia

210 - Dipodomys
D 15.4g gravelly, ephedra, sage

211 - Dipodomys
D 39.5gms sandy wash, purslia

212 - Perognathus amplus ♀ non-reprod.
158-86-20-19 12gms sandy, purslia

213 Neotoma lepida ♂ Ab 12×8, 6×4 Data Only
[222-70]-28-30 143gms rocky outcrop, west of study

214 Dipodomys
D 28.0 gravelly, ephedra

215 Dipodomys
D 38.2gms gravelly-sand wash, purslia

216 Perognathus ♀ non-reprod.
170-95-23-10 14gms sandy, ephedra

217 Dipodomys microps ♂ Ab
254-148-39-13 55gms sandy, sage

218 Perognaths crinitus ♀ non-reprod ✓
149-84-19-19 12gms sandy-gravelly, sage

219 Dipodomys [illegible]
[illegible] gravelly, sage

220 Onychomys torridus ♂Ab 2x4 –
13.8g 123-45-21-16 gravelly, sage
kept captive for study

221 Perognaths crinitus ♀ non-reprod –
164-89-19-18 13gms gravelly, sage

222 Dipodomys [illegible] ♂Ab ✓
241-141-35-12 35gms gravelly, sage

Sage Flat, ~~rocky~~ stony-gravelly
little differentiation in substrate or
vegetation

223 Perognaths [illegible]

224 Perognaths [illegible]

225 Perognaths [illegible]

226 Onychomys torridus 19.1 gms
133-44-20-17 19.1 gms ♂ Ab
Kept captive for behavior study killed 20 Aug 80

227 Peromyscus crinitus ♂ Ab 3 x 5 164-88-19-20 14 gms

228 Peromyscus crinitus ♀ not LDs
167-86-19-19 14 gms

229 Peromyscus
D

230 Peromyscus maniculatus
D

231 Peromyscus

232 Peromyscus

233 Peromyscus
D

234 Onychomys

Kept captive for behavior study

2

235 Dipodomys [illegible]
D 35-19

236 Onychomys

Kept captive

237 Dipodomys [illegible] ♂Ab
270-163-39-13 59 gms

238 Peromyscus maniculatus
D

239 Peromyscus [illegible]
D

240 Peromyscus [illegible] ♀juv. non rep.
148-80-19-19 12 gms molting

241 Peromyscus maniculatus
escaped

242 Dipodomys
[illegible]

243 Dipodomys.
211-125-35-12 ♀ 35 gms ♀25

23-24 November 1979 Willow Spring Road at First major wash. Line 1 - Creosote-Franseria (Margarets transects: Steptor #19, Bellfed #1) 40 traps in line. 10 Dipos caught

244 Dipodomys merriami
D 34.1 qm desert pavement, Franseria

245 Dipodomys merriami
D 34.2 g desert pavement, Franseria

246 Dipodomys merriami
D 39.9 desert pavement, Grayia

247 Dipodomys merriami
D 37.5 desert pavement, creosote

248 Dipodomys merriami
D 39.9 desert pavement, grayia

249 Dipodomys
D 42.5 g desert pavement, creosote

250 Dipodomys ♂ AD
227-138-38-12 42 gms desert pavement, creosote

251 Dipodomys merriami
41.9 desert pavement, Franseria

23-24 November 1979 page 2

Line 1 cont.

252 Dipodomys

desert pavement, creosote

253 Dipodomys ♂AL

246-152-37-12 38gms desert pavement, creosote

Line 2 - along wash, sand, gravel, cobbles

254 - Dipodomys ♀N 244-149-41-14 48gms

sand, bank, creosote

255 - Dipodomys

sand, bank, Franseria

256 - Onychomys ♀ non-rprod.

120-45-18-17 14gms sand + stones, Hymenoclea

257 Dipodomys

sand + stones, grama

dead in trap

258 Dipodomys

sand and stones Ephedra

259 Dipodomys

sand, open

260 Dipodomys

sand, bank, Franseria

23-24 November 1979 page 3
Line 2 cont.

261 Dipodomys [illegible]
D [illegible] sand+stones, Hymenoclea

262. Dipodomys [illegible]
D [illegible] sand+stones, Hymenoclea

263. Dipodomys merriami
D [illegible] sand+stones, bunk, Ephedra
dead in trap

19 January Titus Canyon approx 2 mi N of road
among rocks in a small side canyon
264. Bassariscus astutus remains of tail found,
no other signs.

1 April Scotty's Ranch - set 60 traps in pairs
(20 sump - 20 shermans around wet area; 2x10 in
a line then creosote) at sunset 31 March

Kingsley
1980

catalog

1 April 1980 Scotty's Ranch

Larrea-Ambrosia line: 20 shermans - rolled oats

265. Peromyscus formosus ♂ scro 9×4
174-95-24-11 17 gms creosote bush - skull only

266. Peromyscus formosus ♂ Ab 8×5
180-96-23-11 17.0 gms creosote bush

267. Peromyscus crinitus ♀ not lac 3 embs 15mm
162-84-19-18 16.7 gms creosote, rocky

268. Peromyscus formosus ♀ not lac 3 scars
180-93-24-12 15.8 gms creosote, rocky

269. Peromyscus formosus ♂ scro 8×5
182-105-25-11 16.1 gms creosote, rocky

270. Peromyscus
161-88-20-17 13.2 gms creosote, rocky

271. Peromyscus formosus ♂ scro 9×5
185-105-24-12 – creosote, rocky

Spring-riparian line: 40 traps, sherman + snap paired

272. Peromyscus ♀ lac 4 scars
[illegible] 19.8 gms grapevine tangle sherman

273. Reithrodontomys megalotis ♀ not lac 2 scars
142-70-17-15 11.2 gms Pluchea tangle snap

274. Peromyscus ♀ not lac 2 embs creek
186-75-21-20 Pluchea thicket sherman

275. Peromyscus crinitus ? 173-93-20-20 15.0 gms
15.0 gms Pluchea, Vitis, Arundo sherman

276. Peromyscus ♂ scro
tail amputated, healed
(165-74-22-20) 23.2 gms same set as 275, snap

277. Peromyscus ♂ 10×6 scro
192-99-22-20 24.0 gms Baccharis thicket snap

1 April - Scotty's Ranch continued

278 Reithrodontomys megalotis ♂ scro 7×4

146-71-17-16 12.5gms Bachard's thicket Snap

279. Peromyscus [illegible] ♂ Ab 7×4 ✓

181-115-25-11 16.0gms Disticlelis Sherman

280. Reithrodontomys megalotis ♂ scro 7×4 ✓

140-69-18-17 11 gms grass + grape snap

281. Peromyscus [illegible] ♀ lac 3 scars ✓

190-101-21-22 25.3gms Bachard's snap

282. Peromyscus [illegible] ♂ [illegible] ✓

195-110-21-23 20.5gms same set as 281 - Sherman ~~grapevine tangle Snap~~

283. Peromyscus [illegible] ♀ lac 3 scars ✓

166-92-21-20 18.0gms grapevine tangle snap

284. Peromyscus [illegible] ♂ scro 10×6 ✓

186-100-20-20 same set as 283 - sherman

285. Peromyscus [illegible] ♂ scro 10×6 ✓

177-94-20-20 24.6gms grapevines - Pinelea snap.

Caught and released 3 Dikotoma, 1 Peromyscus.

~~2nd~~

2 April 1980 Scotty's Ranch area

Spring Riparian line (NOTE: specimens have misnumbered packages, in Margaret's hand, beginning = 283 which should be 286 - so add "3" to each number as it is in pkg.) Below are actual numbers.

286 Peromyscus ♂ 5ABb 7X5

187-99-21-19 25.1gms tall sedge (dense) Vitis - sherman

287. Peromyscus ♂ scro 10X5

176-90-21-20 21.1gms Pluchea, Baccharis, Vitis - snap

288. Reithrodontomys ♀ lac 1 scar

139-68-15-16 7.8gms pluchea tangle - snap

289. Neotoma ♂ scro 3 emb 35mm

255-112-30-30 121.2gms pluchea tangle - sherman, died.

290. Perognathus ♂ scro 9X5 SKULL ONLY

206-116-26-12 20.0gms rocks, Larrea - sherman

Mesquite - riparian line

291. Peromyscus ♂ scro 10X6

178-94-19-19 21.3gms mesquite, Baccharis, Atriplex polycarpa - snap

Cottonwood-willow - drywash line

292. Peromyscus ♂ scro 12X7

168-77-22-21 23.6gms drywash - Atriplex polycarpa - snap

293. Peromyscus ♀ 4 emb 4 mm

163-85-20-19 17.1gms drywash - Baccharis - sherman, dying

294. Peromyscus ♂ scro 12X7

198-103-21-21 29.4gms stream - narrow sedges, Cottonwood, snap

295. Peromyscus ♀ lac 3 scars, 4 embs 4 mm

184-92-21-20 stream, sedge, Solidago - snap Skullonly

296. Peromyscus ♂ scro 12X7

195-97-21-20 26.9gms stream, mesquite, Baccharis, rocky - snap

297. Peromyscus ♀ lac 3 emb 11 mm

stream grapes + cottonwood - sherman, dying

Catalog

2 April 1980 - Scotty's Ranch area p2.
Cabin Riparian line

298. Perognathus ♂ scro 10x5
183-98-21-20 21.3 gms stream, Baccharis tangle

3 April 1980 - Scotty's Ranch ARea Desert Atriplex - Ambrosia
Larrea (Margaret's belted transect #2)

299 - Dipodomys ♂ scro 10x5
237-143-37-13 39 gms sandwash, Atriplex

300 - Dipodomys merriami ♀ 2 scars not lac.
33.1 gms 245-143-38-14 SKULL ONLY sandwash, Larrea

301. Perognathus ♂ scro. 7x5 epi. enlarged
190-107-25-10 19.1 gms SKULL ONLY sand, Atriplex

302. Perognathus ♂ scro 10x5 epi enlarged
181-104-23-11 18.2 gms SKULL ONLY gravel, Atriplex

~~303. Dipodomys~~ Begin

4 April 1980. Valley floor. Fan dominated by Atriplex
hymenolytra near milepost 4.

303. Dipodomys merriami ♀ lac 25 Data only
230-138-36-14 33 gms bare ground, gravel

304. Dipodomys merriami ♂ scro. 11x5
222-136-37-13 36.8 gms atriplex, gravel & sand

4 April 1980. Valley floor. Mesquite hummocks
near milepost 7.

305. Dipodomys merriami ♂ scro 9x5 239-145-35-15 34 gms
mesquite, Atriplex

Catalog

5 June 1980 Titus Canyon Road 5200 Ft mixed shrub community, junction of Grapevine Pk and Beatty Wash Maps

306. Dipodomys merriami ♂ scro 12x7 ✓
248-145-38-14 41gms gravel + silt; Eriogonum, Hapl[illegible]

307. Peromyscus crinitus ♂ scro 13x7.5 ✓
192-101-21-20 21gms rocky, artemesia

308. Ammospermophilus leucurus ♀ no emb no scars ✓
182-59-36-12 56gms silt-gravel, Menodora

309. Peromyscus crinitus ♂ scro 10x5 ✓
173-93-20-19 14gms gravel, scattered large rocks, Artemesia

310 Peromyscus crinitus ♀ lac 2 scars 3 emb 5 ✓
162-75-20-19 25gms rocky, sagebrush

311 Peromyscus crinitus ♂ Ab 4x3 ✓
143-77-19-17 10gms small talus, sage

312 Peroquathus formosus ♂ scro 7x4
188-95-24-12 17gms gravelly, artemesia

313 Dipodomys microps ♀ 2 emb 17 mm
263-147-42-15 52gms gravel + silt, menodora

ugsley
1980

Catalog

12 June 1980 Strozzi Ranch area. 6200 Ft
Valley along road, gravelly-sandy soil

314. Thomomys bottae ~~umbrinus~~ ♀ not lac no embs no scars
185-56-25-6 74.9 gms sage-cliffrose

315. Thomomys bottae ~~umbrinus~~ ?
203-64-28-6 88.4 gms rock wash

316. Thomomys bottae ~~umbrinus~~ ♀ lac 5 scars
192-53-26-7 87.8 gms sage

12 June 1980. Phinney Canyon Rd. approx. 3½ miles E of Phinney Mine at 5600 Ft.

317. Sylvilagus audubonii ♂ sc 40 x 15
351-44-83-78 776 gms under Ephedra, rocky hillside

20 June 1980 ~~Phinney~~ Rock outcrops along road uphill from Phinney Mine. 7500 Ft.

318. Eutamias panamintinus ♀ non rep.
205-80-30-20 48 gms rock outcrop, Pinon

4-5 July 1980 Strozzi Ranch Rd. 3½ mi. NE of Strozzi Ranch 1/3 mi E of road that connects to Phinney Mine Rd. 5100 Ft.

319. Thomomys ♀ lac
190-61-27-6 84 gms gravelly wash - Ephedra

320. Neotoma lepida ♂ Ab 3x4
214-85-30-27 47 gms gravelly wash at mouth

ingsley
1980

Catalog

3½ mi. NE of Strozzi Ranch

6 July 1980 Strozzi Ranch Rd near junction road that connects to Plummey Mine Rd. 5100 Ft. Same lines as 5 July.

321. Peromyscus maniculatus ♀ 3 scars.
157-74-20-18 16 qms ridge, sage

322. Dipodomys merriami ♀ no scars no ears
225-135-36-13 25 qms ridge, sage.

323. Perognathus ♂ Ab 4×3
195-103-24-10 19 qms wash, sage

324. Onychomys torridus ♀ 3 ears 11 mm
130-45-20-18 16 qms wash, Grayia

6 July 1980. Strozzi Ranch Rd. Approx 1 mi NE of Strozzi Ranch 5800'

Cross Ridge (40 traps)

325. Peromyscus maniculatus ♂ Scro 7×5
155-68-21-20 15 qms rocky brush canyon
Ephedra + Purshia

326. Peromyscus truei ♂ Ab 7×4 epi enlarged
183-90-23-28 same location as 325

Ridge Line (18 traps, 0 captures)

Wash Line (40 traps)
Released P. maniculatus gravel wash
Purshia

Isley
1980

Catalog

7 July	1.5 mile NE of Strozzi Ranch. Death Valley N.M. Grapevine Mtns. Nye Co. Nevada
	5800 Ft.
327	Peromyscus crinitus ♀ lac 2 scars 161-82-19-18 15.3 gms ridge, rock outcrop, sagebrush
328	Perognathus parvus ♀ 5 emb 6,6,6,4,4 mm. 165-86-22-8 16 gms valley, roadside, Purshia
329	Perognathus parvus ♂ Ab 3x4 156-90-22-7 12.5 gms valley, gravel wash, sagebrush
330	Onychomys torridus ♀ lac 4 scars 131-46-19-18 19 gms valley, gravel wash, sagebrush
28 July	Scotty's Castle, Stables. Roost of 75± in rafters. Noted by interpretor Bob Dolan. Picked 2 at random.
331	Antrozous pallidus ♂ scro 4x2 103-40-13-31-14-52 10 gms
332	Antrozous pallidus ♀ no emb. no scars 111-44-13-36-17-53 16 gms

End this Page

Catalog

29 July — Grapevine Residence area. Grapevine Mtns. Death Valley N.M. Inyo Co. Calif. 2200 Ft. around trailers

333. Dipodomys merriami ♂ AB 3x2 237-141-37-15 26gms bot emergence hole, pelage damage on ventrum.

334. Neotoma lepida ♀ no emb no scars 254-109-30-31 89gms

335 [illegible] ♀ no embs no scars 180-109-22-10 11gms

31 July — Mine tunnels 1/2 mile SE of Leadfield. Death Valley NM Inyo Co. California. 4400 Ft

336 [illegible] ♂ scro 3x2 83-37-10-20-9-42 7gms

337 [illegible] ♂ scro 3.5x4 87-37-10-21-11-41 6.5gms ✓

338 Mayotis [illegible] ♂ 79-33-9-18-8-40 6.5gms ✓

339 Myotis thysanodes ♂ 88-39-9-20-11-42 7.3gms ✓

22 August — Klare Spring (Mistuet) Titus Canyon. Grapevine Mtns. Death Valley N.M. Inyo Co. Calif. 3200 Ft.

340 [illegible] ♂ scro 3x2.5 64-25-6-11-5-29 2.7gms 1930 hrs ←

341 Pipistrellus hesperus ♀ uc emb not lac. 63-30-5.5-10-4-31 2.8gms 2000 hrs ✓

342 Pipistrellus hesperus ♀ not lac. no embs 69-29-6-11-4-31 fat 3.9gms 2030 hrs ✓

343 Pipistrellus hesperus ♀ not lac no embs 70-28-6-11-5-31 fat 3.9gms 2100 hrs ✓

15 Sept — Grapevine Peak 8600 Ft. Mixed Limber Pine-Pinyon Woods, talus slope, duff under trees. Set 30 snap traps

344 [illegible] ♀ lac 4 emb 5 unm 155-73-21-19 21gms Ribes talus

345 [illegible] ♂ scro 9x5 149-63-20-18 18gms dead pinyon, duff ✓

346. [illegible] ♂ scro 10x6 (143)-(64)-20-20 data only 20gms juniper, duff

347. [illegible] ♀ no emb no scars 150-68-18-19 data only new limber, duff

17 Sept — Spur E and 1 mi N Grapevine Peak, 5500 ft. Sagebrush Ridge line

348 Peromyscus [illegible] ♂ AB 8x3 174-93-22-9 15gms tufts, sagebrush

349 [illegible] ♂ AB 8x5 139-64-20-19 16gms tufts, sagebrush

17 Sept 5 mi E and 1 mi N Grapevine Peak, 5500 ft, sagebrush

Ridge line continued

350 Ammospermophilus leucurus ♂Ab ✓

202-62-36-10 86 gms rocky, tuff, Chrysothamnus viscidiflorus

351 Peromyscus crinitus

kept captive talus, Eyl hotch

352 Peromyscus crinitus ♂Ab 3x5

162-89-19-18 13 gms big rocks, talus, Artemesia

353 Peromyscus crinitus ♀ not lac, no scars no emb. ✓

153-85-18-18 11 gms big rocks, talus, sagebrush

Valley line: gravelly soil, sagebrush

354 Ammospermophilus leucurus ♀nonrep. 209-72-35-11 86 gms

355 Perognathus parvus ?

164-93-23-8 14 gms

356 Perognathus parvus ♂Ab 3x4 ✓

dead in trap 185-102-24-10 20 gms

357 Perognathus parvus ♀ not lac, no scars no emb

164-85-23-10 14 gms valley, gravel, sagebrush

358 Onychomys torridus ♀nonrep. 134-46-19-19 16 gms

molting

359 Perognathus ♂Ab 3x4 172-94-24-9 16 gms

dead in trap skull only

360 Dipodomys microps ♂Ab 242-141-40-14 46 gms

dead in trap data only

23 Sept Phinney Mine, Grapevine Mtns. Death Valley NM.

361 Perognathus ♀nonrep. 95-50-11-36-15-45 8 gms

ingsley
380

Catalog

24 Sept 2 mi W of monument boundary Titus Canyon Rd. 3800ft

362 ♀ 2scars not lac 240-139-37-13 41qms gravel, Larrea

363 ♀ 4scars not lac 238-146-37-14 41qms gravel, Larrea

364 ♂Ab 5x3 183-102-25-12 21qms gravel, Larrea

365 ♀ no emb not lac 186-104-23-12 17qms gravel Larrea

366 ♀ not lac no scars no emb 129-74-19-6 7qms very fat

367 ♂Ab 5x3 180-100-20-20 16qms out rock ridge, Larrea

368 ♂Ab 2x4 168-92-21-20 15qms roadside gravel, Larrea

369 ♂Ab 270-154-44-13 58qms Larrea, gravel

25 Sept 4 mi W of monument boundary Titus Canyon RD 4200ft

370 ♂Ab 166-94-23-10 15qms wash

371 ♂Ab 4x2 188-107-24-11 18qms wash

372 ♀ non repro. 171-101-20-20 15qms

373 ♀ non-repro. 181-93-21-20 16qms

25 Sept Titus Canyon 1/2 mi E Klare Spring

374 skull only

6 October MacDonald Spring 5600 Ft

375 ♂Ab 175-96-18-19 17qms

376 ♀ non-repro. 244-147-36-13 38qms

377 ♀ non repro. 71-25-5-12-5-30 5qms net over water

378 ♂Ab 81-33-7-15-8-32 5qms net over water

379 ♂Ab 81-32-10-20-11-40 5qms net over water

380 ♂ scro 70-31-6-13-6-29 4qms net over water

381 ♂Ab 82-33-9-19-11-41 7qms net over mineshaft

382 ♂ scro. 95-46-9-40-17-43 8qms net over mineshaft

383 ♀ not lac 7 scars 192-102-24-13 21qms

384 ♂Ab 162-72-21-19 20qms

7 Oct Hooligan Mine 4800FT start 7 Apr 71

Kingsley 1980

Catalog

7 Oct	Horligan Mine 4800 Ft. cont:
385	Peromyscus truei ♀ not lac 4 scars 183-94-20-20 19 qms molting
386	Peromyscus truei ♂ Ab 162-88-19-20 13 qms molting
387	Peromyscus eremicus ♂ Ab 177-86-19-20 20 qms
388	Perognathus formosus ♂ Ab 176-93-23-11 18 qms
389	Peromyscus eremicus ♂ Ab 172-86-21-21 19 qms
390	Dipodomys merriami ♂ Ab 236-145-35-12 data only 32 qms
391	Ammospermophilus ♂ Ab 205-79-36-12 99 qms
25 Oct	Titus canyon Rd, at Titus not here Canyon 4800 ft.
392	Peromyscus crinitus ♂ Ab 158-85-19-19 12 qms
393	Peromyscus crinitus ♂ Ab 156-86-19-19 11 qms
394	Peromyscus eremicus ♂ Ab 170-84-19-19 19 qms
395	Peromyscus eremicus ♂ Ab 179-94-21-21 18 qms
396	Peromyscus maniculatus ♂ Ab 144-68-19-19 15 qms
397	Dipodomys merriami ♂ Ab 255-149-37-13 37 qms
398	Onychomys torridus ♀ not lac 5 old scars 120-46-19-18 16 qms
399	Perognathus formosus ♀ not repr. 167-93-23-12 14 qms
25 Oct	Titus Canyon Rd Red Pass 5200 ft.
400	Neotoma lepida ♂ Ab 254-118-30-30 88 qms
401	Neotoma lepida ♀ Not rep. 249-113-29-30 89 qms
402	Peromyscus crinitus ♀ not lac 4 scars 168-88-20-19 14 qms
403	Peromyscus crinitus ♂ Ab 153-82-19-18 12 qms
404	Perognathus formosus ♀ non-rep. 175-95-23-11 15 qms
25 Oct	Titus Canyon Rd. Mine found 1/2 mi E of Leadfield
405	Plecotus townsendi ♂ 90-48-9-36-17-42 9 qms
26 Oct	Titus Canyon Rd 1/2 mi E of Leadfield 4400 ft.
406	Peromyscus crinitus ♂ Ab 156-85-19-17 11 qms skin only
407	Peromyscus eremicus ? 182-93-20-19 19 qms
408	Perognathus formosus ♀ non-repro. 184-109-23-11 16 qms
409	Ammospermophilus leucurus MSc 205-65-33-10 86 qms

Kingsley 1980

Catalog

26 Oct	Calif. Inyo Co. Death Valley NM Grapevine Mtns. Titus Canyon Rd ½ mi E of Leadfield 4400 ft. Larrea-mixed shrub
410	Perognathus [illegible] ♂Ab 190-101-20-20 17gms
411	Perognathus formosus ♀ non rep. 187-104-24-11 16gms
10 Nov	Phinney Mine - Nevada, Nye Co. Grapevine Mtns. 6800ft
412	Myotis leibii ♀ 76-38-7-13-8-31 4gms fat
413	Myotis californicus ♀ 78-37-7-13-7-32 4gms fat
11 Nov	Nevada. Nye Co. Grapevine Mtns. 8 mi E of Grapevine Peak along Phinney Canyon Rd. 5000 ft sagebrush.
414	Dipodomys merriami ♀ 254-157-37-16 40gms
415	Onychomys torridus ♂Ab. 133-48-20-18 13gms
416	Reithrodontomys megalotis ♂Ab 139-70-18-17 9gms
417	Perognathus formosus ♂Ab 189-106-23-11 26gms
418	Dipodomys microps ♂Ab 275-164-42-13 59gms
419	Perognathus formosus ♀ non rep. 174-99-24-12 15gms
420	Peromyscus maniculatus ♂Ab 151-66-20-20 16gms
421	Dipodomys merriami ♀ no scrot 240-150-37-11 30gms ~~♂Ab 249 148 40 15 46gms~~
422	Dipodomys microps ♂Ab 249-148-40-15 46gms
423	Ammospermophilus leucurus ♂ scro 195-58-34-10 71gms
18 Nov	Titus Canyon at "Entering Titus Canyon" sign ~ 4000 ft
424	Perognathus formosus ♂Ab 187-101-25-12 17gms
425	Eutamias [illegible] ♂Ab 265-120-31-33 88gms
426	Perognathus [illegible] ♂Ab 174-90-20-20 19gms molting
427	Perognathus [illegible] ♂Ab 173-89-20-20 19gms
428	Perognathus [illegible] ♂Ab 163-87-19-19 12gms
429	Perognathus [illegible] ♂Ab 174-90-19-20 12gms

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19 Nov Titus Canyon Rd at Klare Spring - Springtime.

430 Neotoma lepida ♀N 255-116-28-29 7 6 ques

431 Peromyscus crinitus 155-81-19-20 10 ques ♂Ab

432 Peromyscus crinitus ♂Ab 151-80-19-20 9 ques molting

19 Nov Titus Canyon Rd at Klare Spring - Hill Line

433 Ammospermophilus leucurus ♂Ab 5x12 208-55-35 -14 83 ques

434 Neotoma lepida ♀non rep. 265-116-27-32 8 ques

435 Peromyscus crinitus ♂Ab 178-98-20-20 13 ques

19 Nov Titus Canyon Rd 3.1 mi W of Klare Spring 2000 ft

436 Peromyscus crinitus ♂Ab 171-90-19-18 13 ques

437 Peromyscus crinitus ♀ 5 scars 189-100-20-20 14 ques molting

20 Nov Grapevine Canyon 1 mi E of Scotty's Castle Dry Canyon

438 Peromyscus crinitus ♂Ab 165-89-19-20 12 ques

439 Peromyscus crinitus ♂Ab 170-92-20-19 11 ques

440 Peromyscus crinitus ♂Ab 162-90-19-20 12 ques

441 Ammospermophilus ♂Ab (190-41)-31-11 88 ques

442 Ammospermophilus ♀non 191-58-34-11 80 ques

20 Nov Grapevine Canyon Riparian 1 mi E of Scotty's Castle 3100 ft.

443 Peromyscus crinitus ♂Ab 178-94-20-20 20 ques molting

444 Peromyscus crinitus ♂Ab 178-91-20-21 19 ques

445 Peromyscus crinitus ♂Ab 182-95-20-20 21 ques skel. only to CLD

446 Peromyscus crinitus ♀non rep 177-90-20-20 19 ques skel only to CLD

447 Peromyscus crinitus ♂Ab 152-83-19-19 11 ques

448 Peromyscus crinitus ♂Ab 174-92-20-20 17 ques

449 Peromyscus crinitus ♂Ab 153-82-20-20 12 ques

450 Peromyscus crinitus ♀ Lac 3 scars 191-104-19-20 21 ques

451 Peromyscus crinitus ♂Ab 182-96-20-20 21 ques

451 21 ques

452 Peromyscus crinitus ♀ 161-82-19-20 13 ques skel only to CLD Douglas skeletonizing

453 Peromyscus crinitus ♂Ab 159-86-19-19 11 ques to CLD

454 Peromyscus crinitus ♂ab 184-95-20-21 21 ques molting

Catalog

20 Nov	Grapevine Canyon Riparian		
455	Peromyscus crinitus	♂Ab 159-80-19-19	10 ques
456	Neotoma lepida	♀nonrepod. 280-138-29-32	87 ques
457	Neotoma lepida	♂scro. 281-124-30-32	135 ques
21 Nov	Grapevine Canyon 3.7 miles E of Scotty's Castle, 3784 feet Calif. Inyo Co. Death Valley NM RTE 5		
458	Peromyscus crinitus	♀ non rep. 161-90-19-18	11 ques
459	Peromyscus crinitus	♂Ab 145-85-18-18	11 ques
460	Dipodomys microps	♂Ab (245-137)-40-12	53 ques
461	Dipodomys microps	♂Ab 281-166-41-13	5 ques
21 Nov	Grapevine Canyon. Cottonwood Cr NE. 1 mi W of Scotty's Castle 2700 ft. Riparian, dry wash, and rocky hill		
462	Peromyscus crinitus	♀ non rep. 172-88-19-20	13 ques
463	Peromyscus crinitus	♀non rep. 179-91-20-21 ~~♂Ab 173-89-20-20~~	20 ques ~~19 ques~~ molting
464	Peromyscus crinitus	♂Ab 158-86-20-18	13 ques
465	Neotoma lepida	♂Ab 260-119-29-30	89 ques
466	Peromyscus crinitus	♀non rep. 182-93-20-21	19 ques molting
467	Peromyscus crinitus	not saved - tail damaged	
27 Nov	Scotty's Castle Rd. (Routes) Milepost 10 Mesquite Hummocks		
468	Peromyscus crinitus	♀ non-rep. 161-89-18-19	12 ques
28 Nov	Scotty's Castle Rd (Routes) Milepost 10 Mesquite Hummocks		
469	Dipodomys merriami	♂Ab 300-186-50-17	89 ques
28 Nov	Scotty's Castle Rd (Routes) Milepost 14 Stony Bajada		
470	Peromyscus crinitus	157-87-19-19	9 ques ♀ non rep.
28 Nov	Scotty's Castle Rd (Routes) Milepost 24 1300 ft Wash and Bajada		
471	Perognathus formosus	♂Ab 186-100-24-12	19 ques
472	Peromyscus crinitus	♀non repod. 163-91-20-20	10 ques
473	Peromyscus crinitus	♀non repod 165-90-20-20	10 ques
29 Nov 474	Peromyscus crinitus	♂Ab 164-89-20-20	9 ques
475	Perognathus formosus	♀ 2dd scars 164-89-20-20	11 ques

catalog

30 NOV	Scotty's Castle Rd (Route 5) milepost 26.5 bajada-larrea 1700ft	
476	Peromyscus crinitus ♀	155-87-20-19 10gms
477	Peromyscus crinitus ♂Ab	155-83-20-20 11gms
478	Dipodomys merriami	(193-98)-36-12 34gms ♂Ab
30 NOV	Route 5 milepost 26.5 wash, rocky, larrea-hymenoclea	
479	Neotoma lepida ♂Ab	255-122-30-31 78gms
30 NOV	Route 5 milepost 30.1 bajada larrea 1940ft	
480	Dipodomys merriami ♀ nonrep.	242-141-37-11 26gms
481	Dipodomys merriami ♀ 2 old scars	227-132-35-11 30gms
1 Dec 482	Ammospermophilus leucurus ♂ scro	194-56-37-11 83gms
483	Ammospermophilus leucurus ♀ nonrep.	(185-35)-37-10 92gms
1 Dec	Route 5 milepost 33, disturbed soil, old Grapevine Ranger Station 2156ft	
484	Thomomys ♀ non rep.	175-57-23-7 73gms
1 Dec	Surprise Springs 2800ft	
485	Peromyscus crinitus ♂Ab	161-81-20-21 13gms
486	Peromyscus crinitus ♀	162-86-20-20 10gms non reprod.
487	Neotoma lepida ♀ nonrep.	262-120-30-32 86gms
488	Neotoma lepida ♀ non reprod	248-115-30-30 88gms fat, bot
489	Peromyscus crinitus ♀	155-83-19-19 11gms not lac 3 scars
490	Dipodomys microps ♂Ab	275-157-40-13 58 gms
491	Dipodomys merriami ♀ non rep.	226-131-37-12 33gms very fat
492	Dipodomys merriami ♂Ab	232-140-36-13 50gms
493	Peromyscus crinitus ♀	158-81-20-19 12gms
494	Ammospermophilus leucurus ♀ non rep.	195-55-36-9 86gms very fat

APPENDIX III

CATALOG OF SPECIMENS

Explanation: The first number is the collector's number, then comes the genus, species, and subspecies. The sexes are designated as M for male, F for female. Reproductive conditions are designated by Sc for scrotal, Ab for abdominal testes in males; in females, L denotes lactating, S denotes placental scars, E means embryos, a number preceding S or E gives their number, N means no embryos and no scars. The group of numbers separated by hyphens is the set of standard measurements: total length-tail-hind foot-ear from notch. In bats, tragus and forearm are noted also. If total length-tail are in parenthesis, the tail had been amputated before the animal was captured. The next number is weight in grams. If the specimen was not weighed, "n.w." is noted. The last entry designated exceptions to standard skin and skull preparations, or molting.

18 Feb 1979. California. Inyo Co. Death Valley National Monument. Scotty's Ranch. 2200 Ft. Riparian.

1. *Peromyscus eremicus eremicus* FN 181-89-21-19 n.w.
3. *Peromyscus eremicus eremicus* MAb 165-95-21-20 20.5 gms
4. *Peromyscus eremicus eremicus* F4S 180-96-19-20 20.9 gms
6. *Neotoma lepida lepida* MAb 263-115-31-26 76.5 gms
7. *Neotoma lepida lepida* MSc 275-150-31-26 115.7 gms
8. *Peromyscus eremicus eremicus* MAb 169-91-19-18 17.3 gms
9. *Peromyscus eremicus eremicus* FL3S 173-83-19-15 21.7 gms
10. *Peromyscus eremicus eremicus* MAb 180-98-19-20 19.5 gms
11. *Peromyscus eremicus eremicus* MAb (145-62)-19-18 19.3 gms

10 Mar 1979. Nevada. Nye Co. Death Valley National Monument. Leadfield Road. 4 Mi. W. Monument Boundary. Mixed Shrub. 4800 Ft.

12. *Ammospermophilus L. leucurus* MSc 195-52-33-13 83.3 gms
13. *Dipodomys microps occidentalis* F3E 252-155-41-13 63.5 gms
14. *Peromyscus maniculatus sonoriensis* F3E 152-70-19-20 23.6 gms skull only
15. *Dipodomys microps occidentalis* F1E 270-162-42-13 62.8 gms
16. *Dipodomys merriami merriami* F2E 235-140-34-11 38.3 gms
17. *Peromyscus maniculatus sonoriensis* MAb 150-63-18-17 19.6 gms
18. *Peromyscus maniculatus sonoriensis* MAb 147-64-18-19 18.8 gms
19. *Peromyscus maniculatus sonoriensis* MSc 148-63-19-17 17.5 gms
20. *Peromyscus maniculatus sonoriensis* F4E 150-64-19-17 26 gms
21. *Dipodomys merriami merriami* MAb 246-149-37-13 41 gms

May 1979. Nevada. Nye Co. Death Valley National Monument.
Mi. E. and 1 Mi. N. Grapevine Peak. 5200 Ft. Sagebrush.

. *Dipodomys merriami merriami* MSc 252-143-37-12 43.2 gms
. *Perognathus longimembris panamintinus* FL11S 134-69-19-6 10 gms
. *Dipodomys microps occidentalis* FL4S 255-143-41-12 50.3 gms
. *Dipodomys microps occidentalis* MSc 261-155-40-12 56.2 gms
. *Dipodomys microps occidentalis* F4S 275-160-42-12 60.9 gms
. *Neotoma lepida lepida* MSc 272-111-29-27 126.7 gms
. *Peromyscus maniculatus sonoriensis* MAb 131-59-18-16 11 gms molting
. *Neotoma lepida lepida* MAb 241-102-28-26 78.7 gms
. *Peromyscus maniculatus sonoriensis* MSc 150-62-20-18 16.5 gms
. *Peromyscus crinitus stephensi* MSc 163-84-20-16 12.8 gms
. *Perognathus formosus mohavensis* FL4S (124-45)-23-10 20 gms
. *Perognathus longimembris panamintinus* MAb 136-72-19-6 8.1 gms skel. to CLD
. *Ammospermophilus leucurus leucurus* MAb 175-65-34-11 61 gms
. *Neotoma lepida lepida* FN 244-106-30-23 75.9 gms
. *Neotoma lepida lepida* MAb 261-112-30-29 103.6 gms
. *Peromyscus crinitus stephensi* FL4E 185-100-21-18 17.4 gms
. *Peromyscus maniculatus sonoriensis* MAb 129-58-18-13 12.4 gms
). *Ammospermophilus leucurus leucurus* MSc 205-60-37-10 102.1 gms
). *Ammospermophilus leucurus leucurus* FN 170-61-34-11 51.7 gms

2 June 1979. Nevada. Nye Co. Death Valley National Monument.
:rozzi Ranch - Brier Spring. 6200 Ft. Pinyon Woodland.

1. *Peromyscus maniculatus sonoriensis* MSc 148-68-20-17 19.5 gms skull only
2. *Reithrodontomys megalotis megalotis* FL4S 132-66-15-12 10.7 gms
3. *Peromyscus maniculatus sonoriensis* MSc 143-63-19-16 11.3 gms skull only
4. *Peromyscus maniculatus sonoriensis* MSc 145-67-20-17 15.1 gms skull only
5. *Peromyscus truei truei* FL3E 191-93-21-25 25.0 gms
6. *Peromyscus maniculatus sonoriensis* MAb 146-61-20-17 15.7 gms
7. *Peromyscus maniculatus sonoriensis* F6E 146-64-19-16 22.0 gms
8. *Peromyscus maniculatus sonoriensis* FN 132-58-19-15 13.6 gms
9. *Peromyscus maniculatus sonoriensis* MAb 136-58-18-16 11.5 gms
0. *Peromyscus maniculatus sonoriensis* FN 139-64-19-16 12.6 gms
1. *Peromyscus maniculatus sonoriensis* FN 130-57-18-15 12.5 gms
2. *Peromyscus maniculatus sonoriensis* MSc 139-63-19-16 11.8 gms skull only
3. *Peromyscus maniculatus sonoriensis* MSc 158-70-19-17 20.3 gms

25-27 June 1979. Nevada. Nye Co. Death Valley National Monument. 1 Mi. S. and 2 Mi. E. Grapevine Peak. 6800 Ft. Pinyon Woodland.

74. *Peromyscus maniculatus sonoriensis* MSc 152-68-20-17 13.1 gms
75. *Peromyscus truei truei* MSc 178-86-22-25 18.5 gms
76. *Peromyscus truei truei* F4E 190-99-23-26 27.1 gms
77. *Peromyscus maniculatus sonoriensis* MSc 157-70-19-18 n.w.
78. *Peromyscus truei truei* FN 162-81-21-22 13.3 gms molting
79. *Eutamias panamintinus* FL2S 225-86-32-20
80. *Peromyscus maniculatus sonoriensis* FN 137-64-19-15 11.6 gms
81. *Peromyscus maniculatus sonoriensis* MAb 150-68-21-18 18.6 gms
82. *Peromyscus maniculatus sonoriensis* FL4S 152-69-19-17 n.w.
83. *Peromyscus maniculatus sonoriensis* FL6S 159-75-19-19 20.8 gms
84. *Peromyscus maniculatus sonoriensis* MSc 142-65-18-18 15.4 gms
85. *Peromyscus maniculatus sonoriensis* MSc 142-65-18-17 15.9 gms
86. *Peromyscus maniculatus sonoriensis* F4E 165-77-19-17 n.w.

7-10 July 1979. Nevada. Nye Co. Death Valley National Monument. Strozzi Ranch - Brier Spring. 6200 Ft. Pinyon Woodland.

87. *Peromyscus maniculatus sonoriensis* MSc 152-64-21-21 n.w.
88. *Peromyscus maniculatus sonoriensis* FN 134-56-20-18 n.w.
89. *Perognathus parvus olivaceus* MSc 188-95-24-10 n.w.
90. *Perognathus parvus olivaceus* FL2S 187-92-24-9 n.w.
91. *Peromyscus maniculatus sonoriensis* MAb 152-58-21-19 n.w.
92. *Peromyscus maniculatus sonoriensis* F4S 152-58-19-21 n.w. skull only
93. *Peromyscus truei truei* MSc 189-80-22-27 n.w.
94. *Peromyscus truei truei* MSc 192-89-22-26 n.w.
95. *Peromyscus maniculatus sonoriensis* F7S no data skull only
96. *Peromyscus maniculatus sonoriensis* MAb 149-64-21-20 n.w.
97. *Perognathus parvus olivaceus* FN 167-89-24-8 12.8 gms
98. *Peromyscus maniculatus sonoriensis* MSc 147-65-21-19 17.9 gms
99. *Peromyscus maniculatus sonoriensis* MSc 159-65-22-19 20.0 gms

19-20 July 1979. Nevada. Nye Co. Death Valley National Monument. 1 Mi. S. and 2 Mi. E. Grapevine Peak. 6800 Ft. Pinyon Woodland.

100. *Reithrodontomys megalotis megalotis* MSc 134-64-18-15 n.w.
101. *Peromyscus maniculatus sonoriensis* MSc 152-59-22-19 n.w.
102. *Peromyscus maniculatus sonoriensis* F5S 156-76-22-20 n.w.
103. *Peromyscus maniculatus sonoriensis* MSc 159-69-21-20 n.w.
104. *Peromyscus maniculatus sonoriensis* MAb 165-70-21-20 n.w.

20-21 July 1979. Nevada. Nye Co. Death Valley National Monument. 1 Mi. S. and 2 Mi. E. Grapevine Peak. 6800 Ft. Pinyon Woodland.

105. *Peromyscus maniculatus sonoriensis* FN 144-62-20-18 n.w. skull only
106. *Peromyscus maniculatus sonoriensis* MAb 143-63-21-19 n.w. skull only

-22 July 1979. Nevada. Nye Co. Death Valley National Monument.
Mi. S. and ½ Mi. E. Grapevine Peak. 7800 Ft. Pinyon Woodland.

7. *Peromyscus maniculatus sonoriensis* FN 152-67-20-19 n.w.
8. *Peromyscus maniculatus sonoriensis* MSc 148-62-20-20 n.w. skull only
9. *Peromyscus truei truei* MAb 169-82-23-25 n.w.
0. *Peromyscus maniculatus sonoriensis* MAb 145-59-20-20 n.w. skull only
1. *Peromyscus maniculatus sonoriensis* MSc 147-65-21-19 n.w. skull only
2. *Peromyscus maniculatus sonoriensis* FL4S 145-54-20-18 n.w.
3. *Peromyscus truei truei* MAb 175-83-23-27 n.w. skull only
4. *Peromyscus maniculatus sonoriensis* F4S 155-61-20-19 n.w. data only
5. *Peromyscus maniculatus sonoriensis* MSc 160-68-21-19 n.w. data only

-23 July 1979. Nevada. Nye Co. Death Valley National Monument.
apevine Peak. 8700 Ft. Pinyon Woodland.

6. *Peromyscus maniculatus sonoriensis* FL3S 149-58-21-18 n.w. data only
7. *Peromyscus maniculatus sonoriensis* MSc 159-69-20-20 n.w. skull only
8. *Peromyscus maniculatus sonoriensis* MSc 144-59-20-19 n.w. data only
9. *Peromyscus maniculatus sonoriensis* FL4E 154-64-21-20 n.w.
0. *Peromyscus maniculatus sonoriensis* MAb 143-60-21-19 n.w. data only
1. *Peromyscus maniculatus sonoriensis* F7S 158-62-21-20 n.w. skull only
2. *Peromyscus maniculatus sonoriensis* MSc 151-63-20-20 n.w. skull only
3. *Peromyscus maniculatus sonoriensis* FN 150-59-19-19 n.w. data only
4. *Peromyscus maniculatus sonoriensis* MSc 148-58-19-18 n.w. data only

Aug 1979. Nevada. Nye Co. Death Valley National Monument. ½ Mi. S.
nd 2½ Mi. E. Grapevine Peak. Phinney Mine. 6800 Ft. Pinyon Woodland.

25. *Reithrodontomys megalotis megalotis* MSc 140-71-19-15 n.w.
26. *Reithrodontomys megalotis megalotis* MSc 136-64-18-15 n.w.
27. *Peromyscus maniculatus sonoriensis* MAb 158-66-20-19 n.w.
28. *Peromyscus maniculatus sonoriensis* MSc 154-62-21-20 n.w.
29. *Neotoma lepida lepida* MAb 258-106-31-30 n.w.

Aug 1979. Nevada. Nye Co. Death Valley National Monument.
Mi. E. and 1 Mi. N. Grapevine Peak. 6400 Ft. Pinyon Woodland.

30. *Peromyscus maniculatus sonoriensis* MSc 151-67-20-20 n.w. skull only
31. *Neotoma lepida lepida* MSc 253-113-31-30 n.w.
32. *Ammospermophilus leucurus* FN 188-55-33-14 n.w.

Aug 1979. Nevada. Nye Co. Death Valley National Monument.
Phinney Mine Shaft.

133. *Plecotus townsendii pallescens* FN 93-43-10-36-14-43 8 gms
134. *Plecotus townsendii pallescens* FL 97-48-13-37-18-46 9.1 gms
135. *Plecotus townsendii pallescens* MAb 91-46-10-34-14-42 7 gms

17 Aug 1979. Nevada. Nye Co. Death Valley National Monument. Strozzi Ranch. 6200 Ft. Pinyon Woodland.

137. *Peromyscus crinitus stephensi* MSc 167-90-20-18 13.3 gms
138. *Peromyscus maniculatus sonoriensis* FL6E 148-64-20-19 17.8 gms
139. *Peromyscus maniculatus sonoriensis* MSc 157-73-20-18 18.3 gms
140. *Perognathus parvus olivaceus* MAb 162-86-24-9 16.1 gms
141. *Peromyscus maniculatus sonoriensis* F3E 142-56-20-19 18.9 gms
142. *Peromyscus maniculatus sonoriensis* MAb 138-61-20-19 15.3 gms

18 Aug 1979. Nevada. Nye Co. Death Valley National Monument. Strozzi Ranch. 6200 Ft. Pinyon Woodland.

143. *Peromyscus maniculatus sonoriensis* MSc 152-70-20-19 17.7 gms
144. *Peromyscus maniculatus sonoriensis* MSc 152-57-21-17 22.2 gms
145. *Perognathus parvus olivaceus* FN 159-84-23-9 13.9 gms
146. *Perognathus parvus olivaceus* F7S 180-95-25-9 19.3 gms
147. *Peromyscus maniculatus sonoriensis* FN 154-62-20-18 18.9 gms
148. *Peromyscus crinitus stephensi* MSc 156-81-20-19 12.8 gms
149. *Peromyscus crinitus stephensi* FN 167-88-20-20 14.4 gms
151. *Peromyscus truei truei* MSc 182-86-25-29 22.3 gms

17 Aug 1979. Nevada. Nye Co. Death Valley National Monument. 5 Mi. E. and 1½ Mi. S. Grapevine Peak. 6200 Ft. Pinyon Woodland Near Springs.

152. *Odocoileus hemionus hemionus* skull only
153. *Odocoileus hemionus hemionus* skull only, fragmented
154. *Bos taurus* horn only

2 Sep 1979. Nevada. Nye Co. Death Valley National Monument. 1½ Mi. E. Mexican Camp. 5600 Ft. Sagebrush.

155. *Perognathus formosus mohavensis* MAb 189-108-25-13 19 gms skull only
156. *Peromyscus maniculatus sonoriensis* F4S 147-59-20-16 13.7 gms
157. *Onychomys torridus longicaudus* FN 121-43-19-16 14.1 gms
158. *Perognathus formosus mohavensis* MAb 179-97-24-12 16.7 gms
159. *Dipodomys merriami merriami* FN 231-138-36-14 31.3 gms
160. *Dipodomys merriami merriami* MAb 235-139-37-11 31.6 gms
161. *Peromyscus truei truei* FL5S 186-88-23-27 n.w.
162. *Dipodomys microps occidentalis* FN 252-145-40-13 50.5 gms
164. *Peromyscus maniculatus sonoriensis* MSc 148-64-20-18 18.1 gms
165. *Ammospermophilus leucurus leucurus* MAb 185-57-35-10 60.2 gms
166. *Dipodomys microps occidentalis* MAb 272-167-42-12 54.1 gms
167. *Dipodomys microps occidentalis* MSc 262-161-43-15 53.7 gms
168. *Onychomys torridus longicaudus* MAb 115-42-20-16 12.6 gms
171. *Dipodomys merriami merriami* MAb 215-132-37-14 21 gms

172. *Dipodomys merriami merriami* F3S 233-140-37-14 34.9 gms
173. *Dipodomys merriami merriami* MAb 241-142-39-14 36.4 gms
174. *Dipodomys microps occidentalis* F2S 261-147-41-15 51.9 gms
177. *Dipodomys merriami merriami* MAb 252-146-39-15 37.5 gms
178. *Peromyscus maniculatus sonoriensis* MAb 135-62-19-17 12.5 gms
179. *Onychomy torridus longicaudus* MAb 116-43-21-18 14.5 gms
180. *Dipodomys microps occidentalis* FN 252-154-40-14 48.8 gms
181. *Ammospermophilus leucurus leucurus* MSc 204-64-35-13 80 gms
182. *Ammospermophilus leucurus leucurus* MAb 191-58-35-12 69 gms
183. *Ammospermophilus leucurus leucurus* - (176-32)-36-14 83.3 gms
184. *Dipodomys merriami merriami* FN 213-130-37-14 24.6 gms
185. *Dipodomys merriami merriami* MAb (225-119)-38-13 41.7 gms skull only
186. *Perognathus parvus olivaceus* - 166-85-23-9 n.w.
187. *Dipodomys merriami merriami* MSc 240-145-39-14 43.3 gms
188. *Dipodomys microps occidentalis* MAb 258-150-42-14 54.2 gms
189. *Reithrodontomys megalotis megalotis* MAb 129-63-17-15 7.7 gms
190. *Peromyscus maniculatus sonoriensis* MSc 151-64-19-17 19.4 gms
191. *Peromyscus maniculatus sonoriensis* MSc 152-66-20-19 19.8 gms skull only
192. *Perognathus parvus olivaceus* MAb 181-99-24-9 17.9 gms
193. *Onychomys torridus longicaudus* FN 117-45-20-17 13.2 gms
194. *Peromyscus maniculatus sonoriensis* MSc 142-65-21-19 n.w.
196. *Peromyscus maniculatus sonoriensis* MSc 148-64-21-18 16 gms
197. *Peromyscus maniculatus sonoriensis* - 155-63-20-19 20 gms
200. *Perognathus formosus mohavensis* FN 196-109-25-12 16 gms skull only
201. *Neotoma lepida lepida* FN 262-118-29-32 106 gms
202. *Peromyscus maniculatus sonoriensis* MSc 153-58-20-18 18.7 gms

9 Sep 1979. Nevada. Nye Co. Death Valley National Monument.
1 Mi. S. and 2 Mi. E. Grapevine Peak. 6800 Ft. Pinyon Woodland.

204. *Peromyscus truei truei* MAb (160-73)-22-27 24 gms
205. *Peromyscus maniculatus sonoriensis* FN 155-62-18-19 25.1 gms
206. *Peromyscus truei truei* FN 185-88-24-28 24.5 gms
208. *Reithrodontomys megalotis megalotis* FN 134-64-16-15 12 gms

14 Oct 1979. Nevada. Nye Co. Death Valley National Monument.
7 Mi. E. and 1 Mi. N. Grapevine Peak. 5200 Ft. Sagebrush.

212. *Peromyscus crinitus stephensi* FN 158-86-20-19 12 gms
213. *Neotoma lepida lepida* MAb (222-70)-28-30 143 gms data only
216. *Perognathus formosus mohavensis* FN 170-95-23-10 14 gms
217. *Dipodomys microps occidentalis* MAb 254-148-39-13 55 gms
218. *Peromyscus crinitus stephensi* FN 149-84-19-19 12 gms
220. *Onychomys torridus longicaudus* MAb 123-45-21-16 14 gms
221. *Peromyscus crinitus stephensi* FN 164-89-19-18 13 gms
222. *Dipodomys merriami merriami* MAb 241-141-35-12 35 gms
226. *Onychomys torridus longicaudus* MAb 133-44-20-17 19 gms
227. *Peromyscus crinitus stephensi* MAb 164-88-19-20 14 gms
228. *Peromyscus crinitus stephensi* F4S 167-86-19-19 14 gms

237. *Dipodomys microps occidentalis* MAb 270-163-39-13 59 gms
240. *Peromyscus crinitus stephensi* FN 148-80-19-19 12 gms
243. *Dipodomys merriami merriami* F2S 211-125-35-12 35 gms

23 Nov 1979. Nevada. Nye Co. Death Valley National Monument. Willow Spring Road 2 Mi. W. of Leadfield Road. 3600 Ft. Creosote Bush.

250. *Dipodomys merriami merriami* MAb 227-138-38-12 42 gms
253. *Dipodomys merriami merriami* MAb 246-152-37-12 38 gms
254. *Dipodomys microps occidentalis* FN 244-149-41-14 48 gms
255. *Dipodomys microps occidentalis* FN 264-160-41-14 48 gms
256. *Onychomys torridus longicaudus* FN 120-45-18-17 14 gms

1 Apr 1980. California. Inyo Co. Death Valley National Monument. Scotty's Ranch. 2200 Ft. Creosote Bush.

265. *Perognathus formosus mohavensis* MSc 174-95-24-11 17 gms skull only
266. *Perognathus formosus mohavensis* MAb 180-96-23-11 17 gms
267. *Peromyscus crinitus stephensi* F3E 162-84-19-18 16.7 gms
268. *Perognathus formosus mohavensis* F3S 180-93-24-12 15.8 gms
269. *Perognathus formosus mohavensis* MSc 182-105-25-11 16.1 gms
270. *Peromyscus crinitus stephensi* MSc 161-88-20-19 13.2 gms
271. *Perognathus formosus mohavensis* MSc 185-105-24-12 n.w.

1 Apr 1980. California. Inyo Co. Death Valley National Monument. Scotty's Ranch. 2200 Ft. Desert Spring and Marsh.

272. *Peromyscus eremicus eremicus* FL4S 167-89-20-18 18.8 gms
273. *Reithrodontomys megalotis megalotis* F2S 142-70-17-15 11.2 gms
274. *Peromyscus eremicus eremicus* F3S 186-95-21-20 23.9 gms
275. *Peromyscus crinitus stephensi* - 173-93-20-20 15 gms
276. *Peromyscus eremicus eremicus* MSc (165-74)-22-20 23.2 gms
277. *Peromyscus eremicus eremicus* MSc 192-99-22-20 24 gms
278. *Reithrodontomys megalotis megalotis* MSc 146-71-17-16 12.5 gms
279. *Perognathus formosus mohavensis* MAb 181-115-25-11 16 gms
280. *Reithrodontomys megalotis megalotis* MSc 140-69-18-17 11 gms
281. *Peromyscus eremicus eremicus* FL3S 190-101-21-22 25.3 gms
282. *Peromyscus eremicus eremicus* MSc 195-110-21-23 20.5 gms
283. *Peromyscus eremicus eremicus* FL3S 166-92-21-20 18 gms
284. *Peromyscus eremicus eremicus* MSc 186-100-20-20 22 gms
285. *Peromyscus eremicus eremicus* MSc 177-94-20-20 24.6 gms

2 Apr 1980. California. Inyo Co. Death Valley National Monument. Scotty's Ranch. 2200 Ft. Desert Spring and Marsh.

286. *Peromyscus eremicus eremicus* MAb 187-99-21-19 23.1 gms
287. *Peromyscus eremicus eremicus* MSc 176-90-21-20 21.1 gms
288. *Reithrodontomys megalotis megalotis* FL1S 139-68-18-16 11.8 gms

89. *Neotoma lepida lepida* FL3E 255-112-30-30 121.2 gms
90. *Perognathus formosus mohavensis* MSc 206-116-26-12 20 gms skull only
91. *Peromyscus eremicus eremicus* MSc 178-94-19-19 21.3 gms
92. *Peromyscus eremicus eremicus* F3E 188-97-22-21 23.3 gms
93. *Peromyscus crinitus stephensi* F4E 163-85-20-19 17.1 gms
94. *Peromyscus eremicus eremicus* MSc 198-103-21-21 29.4 gms
95. *Peromyscus eremicus eremicus* FL3S4E 184-92-21-20 25.3 gms
96. *Peromyscus eremicus eremicus* MSc 195-94-21-20 26.9 gms
97. *Peromyscus eremicus eremicus* FL3E (142-59)-22-20 26.6 gms
98. *Peromyscus eremicus eremicus* MSc 183-98-21-20 21.9 gms

Apr 1980. California. Inyo Co. Death Valley National Monument.
cotty's Ranch. 2200 Ft. Creosote Bush.

99. *Dipodomys merriami merriami* MSc 237-143-37-13 39 gms
00. *Dipodomys merriami merriami* F2S 245-143-38-14 33 gms skull only
01. *Perognathus formosus mohavensis* MSc 190-107-25-10 19 gms skull only
02. *Perognathus formosus mohavensis* MSc 181-104-23-11 18.2 gms skull only

Apr 1980. California. Inyo Co. Death Valley National Monument.
Route 5 Milepost 4. Sea Level. Desert Holly Stand.

03. *Dipodomys merriami merriami* FL2S 230-138-36-14 33 gms data only
04. *Dipodomys merriami merriami* MSc 222-136-37-13 36.8 gms

Apr 1980. California. Inyo Co. Death Valley National Monument.
Route 5 Milepost 7. Sea Level. Mesquite Hummocks.

05. *Dipodomys merriami merriami* MSc 239-145-35-15 34 gms

June 1980. California. Inyo Co. Death Valley National Monument.
Leadfield Rd. 1 Mi. W. of State Border. 5200 Ft. Mixed Shrub.

306. *Dipodomys merriami merriami* MSc 248-145-38-14 41 gms
307. *Peromyscus eremicus eremicus* MSc 192-101-21-20 21 gms
308. *Ammospermophilus leucurus* FN 182-59-36-12 56 gms
309. *Peromyscus crinitus stephensi* MSc 173-93-20-19 14 gms
310. *Peromyscus eremicus eremicus* FL2S3E 162-75-20-19 25 gms
311. *Peromyscus crinitus stephensi* MAb 143-77-19-17 10 gms
312. *Perognathus formosus mohavensis* MSc 188-95-24-12 17 gms
313. *Dipodomys microps occidentalis* F2E 263-147-42-15 52 gms

12 June 1980. Nevada. Nye Co. Death Valley National Monument.
Strozzi Ranch. 6200 Ft. Pinyon Woodland.

314. *Thomomys bottae oreoecus* FN 185-56-25-6 74.9 gms
315. *Thomomys bottae oreoecus* - 203-64-28-6 88.4 gms

316. *Thomomys bottae oreoecus* FL5S 192-53-26-7 87.8 gms

12 June 1980. Nevada. Nye Co. Death Valley National Monument. Phinney Canyon Rd. 4.5 Mi. E. and 1 Mi. N. of Grapevine Peak. 5600 Ft. Sagebrush.

317. *Sylvilagus audubonii arizonae* MSc 351-44-83-78 776 gms

20 June 1980. Nevada. Nye Co. Death Valley National Monument. 1.5 Mi. E. and 1 Mi. S. of Grapevine Peak. 7600 Ft. Pinyon Woodland.

318. *Eutamias panamintinus panamintinus* FN 205-80-30-20 48 gms

5-6 July 1980. Nevada. Nye Co. Death Valley National Monument. 3.5 Mi. E. of Strozzi Ranch. 5100 Ft. Sagebrush.

319. *Thomomys bottae oreoecus* FL 190-61-27-6 84 gms
320. *Neotoma lepida lepida* MAb 214-85-30-27 47 gms
321. *Peromyscus maniculatus sonoriensis* F3S 157-74-20-18 16 gms
322. *Dipodomys merriami merriami* FN 225-135-36-13 25 gms
323. *Perognathus parvus olivaceus* MAb 195-103-24-10 19 gms
324. *Onychomys torridus longicaudus* F3E 130-45-20-18 16 gms

6-7 July 1980. Nevada. Nye Co. Death Valley National Monument. 1.5 Mi. E. of Strozzi Ranch. 5800 Ft. Pinyon-Sagebrush Ecotone.

325. *Peromyscus maniculatus sonoriensis* MSc 155-68-21-20 15 gms
326. *Peromyscus truei truei* MAb 183-90-13-28 n.w.
327. *Peromyscus crinitus stephensi* FL2S 161-82-19-18 15.3 gms
328. *Perognathus parvus olivaceus* F5E 165-86-22-8 16 gms
329. *Perognathus parvus olivaceus* MAb 156-90-22-7 12.5 gms
330. *Onychomys torridus longicaudus* FL4S 131-46-19-18 19 gms

28 July 1980. California. Inyo Co. Death Valley National Monument. Scotty's Castle. 3000 Ft. Roost in Rafters of Stable.

331. *Autrozous pallidus pallidus* MSc 103-40-13-31-14-52 10 gms
332. *Autrozous pallidus pallidus* FN 111-44-13-36-17-53 16 gms

29 July 1980. California. Inyo Co. Death Valley National Monument. Grapevine Residence Area. 2200 Ft. Around Trailers.

333. *Dipodomys merriami merriami* MAb 237-141-37-15 26 gms
334. *Neotoma lepida lepida* FN 254-109-30-31 89 gms
335. *Perognathus formosus formosus* FN 180-109-22-10 11 gms

July 1980. California. Inyo Co. Death Valley National Monument.
ne Tunnels. ½ M. E. of Leadfield. 4400 Ft.

6. *Myotis thysanodes thysanodes* MSc 83-37-10-20-9-42 7 gms
7. *Myotis thysanodes thysanodes* MSc 87-37-10-21-11-41 6.5 gms
8. *Myotis thysanodes thysanodes* MSc 79-33-9-18-8-40 6.5 gms
9. *Myotis thysanodes thysanodes* MSc 88-39-9-20-11-42 7.3 gms

Aug 1980. California. Inyo Co. Death Valley National Monument.
tus Canyon, Klare Spring. 3200 Ft. Mist Net Over Water. Canyon.

0. *Pipistrellus hesperus hesperus* MSc 64-25-6-11-5-29 2.7 gms
1. *Pipistrellus hesperus hesperus* FN 63-30-5.5-10-4-31 2.8 gms
2. *Pipistrellus hesperus hesperus* FN 69-29-6-11-4-31 3.9 gms
3. *Pipistrellus hesperus hesperus* FN 70-28-6-11-5-31 3.9 gms

5 Sep 1980. Nevada. Nye Co. Death Valley National Monument.
apevine Peak. 8600 Ft. Pinyon-Limber Pine.

4. *Peromyscus maniculatus sonoriensis* FL4E 155-73-21-19 21 gms
5. *Peromyscus maniculatus sonoriensis* MSc 149-63-20-18 18 gms
6. *Peromyscus maniculatus sonoriensis* MSc(142-64)-20-20 20gm data only
7. *Peromyscus maniculatus sonoriensis* FN 150-68-18-19 n.w. data only

7 Sep 1980. Nevada. Nye Co. Death Valley National Monument.
Mi. E. and 1 Mi. N. of Grapevine Peak. 5500 Ft. Sagebrush.

8. *Perognathus parvus olivaceus* MAb 174-93-22-9 15 gms
9. *Peromyscus maniculatus sonoriensis* MAb 139-64-20-19 16 gms
0. *Ammospermophilus leucurus leucurus* MAb 202-62-36-10 86 gms
2. *Peromyscus crinitus stephensi* MAb 162-89-19-18 13 gms
3. *Peromyscus crinitus stephensi* FN 153-85-18-18 11 gms
4. *Ammospermophilus leucurus leucurus* FN 209-72-35-11 86 gms
5. *Perognathus parvus olivaceus* - 164-93-23-8 14 gms
6. *Perognathus parvus olivaceus* MAb 185-102-24-10 20 gms
7. *Perognathus parvus olivaceus* FN 164-85-23-10 14 gms
8. *Onychomys torridus longicaudus* FN 134-46-19-19 16 gms molting
0. *Dipodomys microps occidentalis* MAb 242-141-40-14 46 gms data only

3 Sep 1980. Nevada. Nye Co. Death Valley National Monument.
hinney Mine. 6800 Ft. Roosting in Mineshaft. Pinyon.

1. *Plecotus townsendii pallescens* FN 95-50-11-36-15-45 8 gms

24 Sep 1980. Nevada. Nye Co. Death Valley National Monument.
Leadfield Rd. 2 Mi. W. of Monument Boundary. 3800 Ft. Creosote Bush.

362. *Dipodomys merriami merriami* F2S 240-139-37-13 41 gms
363. *Dipodomys merriami merriami* F4S 238-146-37-14 41 gms
364. *Perognathus formosus mohavensis* MAb 183-102-25-12 21 gms
365. *Perognathus formosus mohavensis* FN 186-104-23-12 17 gms
366. *Perognathus longimembris panamintinus* FN 129-74-19-6 7 gms
367. *Peromyscus eremicus eremicus* MAb 180-100-20-20 16 gms
368. *Peromyscus eremicus eremicus* MAb 168-92-21-20 15 gms
369. *Dipodomys microps occidentalis* MAb 270-154-44-13 58 gms

25 Sep 1980. Nevada. Nye Co. Death Valley National Monument.
Leadfield Rd. 4 Mi. W. of Monument Boundary. 4200 Ft. Mixed Shrub.

370. *Perognathus formosus mohavensis* MAb 166-94-23-10 15 gms
371. *Perognathus formosus mohavensis* MAb 188-107-24-11 18 gms
372. *Peromyscus eremicus eremicus* FN 171-101-20-20 15 gms
373. *Peromyscus eremicus eremicus* FN 181-93-21-20 16 gms

25 Sep 1980. California. Inyo Co. Death Valley National Monument.
Titus Canyon, 0.5 Mi. E. of Klare Spring. 3500 Ft. Canyon.

374. *Ovis canadensis nelsoni* FL skull only

6 Oct 1980. Nevada. Nye Co. Death Valley National Monument.
McDonald Spring. 5600 Ft. Sagebrush.

375. *Peromyscus eremicus eremicus* MAb 175-96-18-19 17 gms
376. *Dipodomys merriami merriami* FN 244-147-36-13 38 gms
377. *Pipistrellus hesperus hesperus* FN 71-25-5-12-5-30 5 gms
378. *Myotis leibii melanorhinus* MAb 81-33-7-15-8-32 5 gms
379. *Myotis thysanodes thysanodes* MAb 81-32-10-20-11-40 5 gms
380. *Pipistrellus hesperus hesperus* MSc 70-31-6-13-6-29 4 gms

7 Oct 1980. Nevada. Nye Co. Death Valley National Monument.
Hooligan Mine. 4800 Ft. Mixed Shrub.

381. *Myotis thysanodes thysanodes* MAb 82-33-9-19-11-41 7 gms
382. *Plecotus townsendii pallescens* MSc 95-46-9-40-17-43 8 gms
383. *Perognathus formosus mohavensis* F7S 192-102-24-13 21 gms
384. *Peromyscus maniculatus sonoriensis* MAb 162-72-21-19 20 gms
385. *Peromyscus eremicus eremicus* F4S 183-94-20-20- 19 gms
386. *Peromyscus crinitus stephensi* MAb 162-88-19-20 13 gms
387. *Peromyscus eremicus eremicus* MAb 177-86-19-20 20 gms
388. *Perognathus formosus mohavensis* MAb 176-93-23-11 18 gms
389. *Peromyscus eremicus eremicus* MAb 172-86-21-21 19 gms
390. *Dipodomys merriami merriami* MAb 236-145-35-12 32 gms data only
391. *Ammospermophilus leucurus leucurus* MAb 205-79-36-12 99 gms

Oct 1980. California. Inyo Co. Death Valley National Monument.
adfield Rd. at Titanothere Canyon. 4800 Ft. Mixed Shrub.

2. *Peromyscus crinitus stephensi* MAb 158-85-19-19 12 gms
3. *Peromyscus crinitus stephensi* MAb 156-86-19-19 11 gms
4. *Peromyscus eremicus eremicus* MAb 170-84-19-19 19 gms
5. *Peromyscus eremicus eremicus* MAb 179-94-21-21 18 gms
6. *Peromyscus maniculatus sonoriensis* MAb 144-68-19-19 15 gms
7. *Dipodomys merriami merriami* MAb 255-149-37-13 37 gms
8. *Onychomys torridus longicaudus* F5S 120-46-19-18 16 gms
9. *Perognathus formosus mohavensis* FN 167-93-23-12 14 gms

Oct 1980. California. Inyo Co. Death Valley National Monument.
adfield Rd. at Red Pass. 5200 Ft. Canyon.

00. *Neotoma lepida lepida* MAb 254-118-30-30 88 gms
01. *Neotoma lepida lepida* FN 249-113-29-30 89 gms
02. *Peromyscus crinitus stephensi* F4S 168-88-20-19 14 gms
03. *Peromyscus crinitus stephensi* MAb 153-82-19-18 12 gms
04. *Perognathus formosus mohavensis* FN 175-95-23-11 15 gms

Oct 1980. California. Inyo Co. Death Valley National Monument.
ine tunnel ½ Mile east of Leadfield. 4400 Ft. Canyon.

05. *Plecotus townsendii pallescens* MSc 90-48-9-36-17-42 9 gms

6 Oct 1980. California. Inyo Co. Death Valley National Monument.
eadfield Rd. ½ mile east of Leadfield. 4400 Ft. Canyon.

06. *Peromyscus crinitus stephensi* MAb 156-85-19-17 11 gms skin only
07. *Peromyscus eremicus eremicus* - 182-93-20-19 19 gms
08. *Perognathus formosus mohavensis* FN 184-109-23-11 16 gms
09. *Ammospermophilus leucurus leucurus* MSc 205-65-33-10 86 gms
10. *Peromyscus eremicus eremicus* MAb 190-101-20-20 17 gms
11. *Perognathus formosus mohavensis* FN 187-104-24-11 16 gms

0 Nov 1980. Nevada. Nye Co. Death Valley National Monument.
hinney Mine. 6800 Ft. Pinyon Woodland. Mineshaft.

12. *Myotis leibii melanorhinus* FN 76-38-7-13-8-31 4 gms
13. *Myotis californicus pallidus* FN 78-37-7-13-7-32 4 gms

11 Nov 1980. Nevada. Nye Co. Death Valley National Monument.
3 miles east of Grapevine Peak, Phinney Canyon Rd. 5000 Ft. Sagebrush.

414. *Dipodomys merriami merriami* FN 254-157-37-16 40 gms
415. *Onychomys torridus longicaudus* MAb 133-48-20-18 13 gms
416. *Reithrodontomys megalotis megalotis* MAb 139-70-18-17 9 gms
417. *Perognathus formosus mohavensis* MAb 189-106-23-11 26 gms
418. *Dipodomys microps occidentalis* MAb 275-164-42-13 59 gms
419. *Perognathus formosus mohavensis* FN 174-99-24-12 15 gms

420. *Peromyscus maniculatus sonoriensis* MAb 151-66-20-20 16 gms
421. *Dipodomys merriami merriami* FN 240-150-37-11 30 gms
422. *Dipodomys microps occidentalis* MAb 249-148-40-15 46 gms
423. *Ammospermophilus leucurus leucurus* MSc 195-58-34-10 71 gms

18 Nov 1980. California. Inyo Co. Death Valley National Monument. Titus Canyon Rd. at "Entering Titus Canyon" sign. 4000 Ft. Canyon.

424. *Perognathus formosus mohavensis* MAb 187-101-25-12 17 gms
425. *Neotoma lepida lepida* MAb 265-120-31-33 88 gms
426. *Peromyscus eremicus eremicus* MAb 174-90-20-20 19 gms
427. *Peromyscus eremicus eremicus* MAb 173-89-20-20 19 gms
428. *Peromyscus crinitus stephensi* MAb 163-87-19-19 12 gms
429. *Peromyscus crinitus stephensi* MAb 174-90-19-20 12 gms

19 Nov 1980. California. Inyo Co. Death Valley National Monument. Titus Canyon Rd. at Klare Spring. 3200 Ft. Canyon.

430. *Neotoma lepida lepida* FN 255-116-28-29 76 gms
431. *Peromyscus crinitus stephensi* MAb 155-81-19-20 10 gms
432. *Peromyscus crinitus stephensi* MAb 151-80-19-20 9 gms
433. *Ammospermophilus leucurus leucurus* MAb 208-55-35-14 83 gms
434. *Neotoma lepida lepida* FN 265-116-27-32 86 gms
435. *Peromyscus crinitus stephensi* MAb 178-98-20-20 13 gms

19 Nov 1980. California. Inyo Co. Death Valley National Monument. Titus Canyon 3 miles west of Klare Spring. 2000 Ft. Canyon.

436. *Peromyscus crinitus stephensi* MAb 171-90-19-18 13 gms
437. *Peromyscus crinitus stephensi* F5S 189-100-20-20 14 gms

20 Nov 1980. California. Inyo Co. Death Valley National Monument. Grapevine Canyon. 1 mile east of Scotty's Castle. 3100 Ft. Canyon.

438. *Peromyscus crinitus stephensi* MAb 165-89-19-20 12 gms
439. *Peromyscus crinitus stephensi* MAb 170-92-20-19 11 gms
440. *Peromyscus crinitus stephensi* MAb 162-90-19-20 12 gms
441. *Ammospermophilus leucurus leucurus* MAb (190-41)-31-11 88 gms
442. *Ammospermophilus leucurus leucurus* FN 191-58-34-11 80 gms

20 Nov 1980. California. Inyo Co. Death Valley National Monument. Grapevine Canyon. 1 mile east of Scotty's Castle. 3100 Ft. Spring.

443. *Peromyscus eremicus eremicus* MAb 178-94-20-20 20 gms molting
444. *Peromyscus eremicus eremicus* MAb 178-91-20-21 19 gms
445. *Peromyscus eremicus eremicus* MAb 182-95-20-20 21 gms skel to CLD
446. *Peromyscus eremicus eremicus* FN 177-90-20-20 19 gms skel to CLD
447. *Peromyscus crinitus stephensi* MAb 152-83-19-19 11 gms
448. *Peromyscus eremicus eremicus* MAb 174-92-20-20 17 gms
449. *Peromyscus crinitus stephensi* MAb 153-82-20-20 12 gms
450. *Peromyscus eremicus eremicus* FL3S 191-104-19-20 21 gms

451. *Peromyscus eremicus eremicus* MAb 182-96-20-20 21 gms
452. *Peromyscus crinitus stephensi* FN 161-82-19-20 13 gms skel to CLD
453. *Peromyscus crinitus stephensi* MAb 159-86-19-19 11 gms skel to CLD
454. *Peromyscus eremicus eremicus* MAb 184-95-20-21 21 gms molting
455. *Peromyscus crinitus stephensi* MAb 159-80-19-19 10 gms
456. *Neotoma lepida lepida* FN 280-138-29-32 87 gms
457. *Neotoma lepida lepida* MSc 281-124-30-32 135 gms

21 Nov 1980. California. Inyo Co. Death Valley National Monument. Grapevine Canyon, 3.5 miles east of Scotty's Castle. 3784 Ft. Canyon.

458. *Peromyscus crinitus stephensi* FN 161-90-19-18 11 gms
459. *Peromyscus crinitus stephensi* MAb 145-83-18-18 11 gms
460. *Dipodomys microps occidentalis* MAb (245-137)-40-12 53 gms
461. *Dipodomys microps occidentalis* MAb 281-166-41-13 56 gms

21 Nov 1980. California. Inyo Co. Death Valley National Monument. Grapevine Canyon 1 mi. west of Scotty's Castle. 2700 Ft. Spring & Creosote Bush.

462. *Peromyscus crinitus stephensi* FN 172-88-19-20 13 gms
463. *Peromyscus eremicus eremicus* FN 179-91-20-21 20 gms molting
464. *Peromyscus crinitus stephensi* MAb 158-86-20-18 13 gms
465. *Neotoma lepida lepida* MAb 260-119-29-30 89 gms
466. *Peromyscus eremicus eremicus* FN 182-93-20-21 19 gms molting

27 Nov 1980. California. Inyo Co. Death Valley National Monument. Route 5, milepost 10. 100 Ft. Creosote Bush. Mesquite Hummocks.

468. *Peromyscus crinitus stephensi* FN 161-89-18-19 12 gms
469. *Dipodomys deserti deserti* MAb 300-186-50-17 89 gms

28 Nov 1980. California. Inyo Co. Death Valley National Monument. Route 5, milepost 14. 140 Ft. Canyon. Bajada and wash.

470. *Peromyscus crinitus stephensi* FN 157-87-19-19 9 gms

28 Nov 1980. California. Inyo Co. Death Valley National Monument. Route 5, milepost 24. 1300 Ft. Canyon. Bajada and wash.

471. *Perognathus formosus mohavensis* MAb 186-100-24-12 19 gms
472. *Peromyscus crinitus stephensi* FN 163-91-20-20 10 gms
473. *Peromyscus crinitus stephensi* FN 165-90-20-20 10 gms
474. *Peromyscus crinitus stephensi* MAb 164-89-20-20 9 gms
475. *Peromyscus crinitus stephensi* F2S 164-89-20-20 11 gms

Kingsley, K.J.

1979 - 80

Journal

Calif

Nevada

8-9 Sept 79	Phinney Mine	rocky ridge	150	(illegible)
	Crosby's Ranch	riparian	40	2200
1 Apr 80	Crosby's Ranch	riparian	40	2200
		desert	20	
2 Apr 80	Stolzfus Ranch			
1 Apr 80	Valley			
		Larrea	40	
		Atriplex		
		Prosopis		
4 June 80	Phinney Mine			
19 June 80	Phinney Mine road	rock outcrops	66	7600
1 July 80	Strozzi Ranch Rd	cross ridge	80	
5 July 80	Strozzi Ranch Rd	cross ridge	80	7800
		ridge	40	

14 Sept	Grapevine Peak	woodland	30	8600	✓
17 Sept	5 mi E 1 mi N GV Peak	sagebrush	100	5500	✓
22 Sept	3½ mi E 1 mi N GV Peak	ecotone	100	5800	✓
23 Sept	Titus Canyon Rd 2 mi W Bndry	larrea	100	3800	✓
24 Sept	Titus Canyon Rd 4 mi W Bndry	Mixed + Wash	120	4200	✓
4 Oct	Phinney Canyon Rd nr Scenic	Sagebrush	80	5200	✓
5 Oct	McDonald Spring	sagebrush	80	5600	✓
6 Oct	Hooligan Mine	mixed shrub	120	4800	✓
24 Oct	Titus - Titus Canyon	mixed & larrea	100	4800	
24 Oct	Titus - Rd from	mixed - Artemisia	100	5000	
25 Oct	Leadfield	mixed - larrea	119	4400	
18 Nov	3 mi E GV Peak	sagebrush	111	5000	
18 Nov	Titus Canyon Entrance	cliff - larrea	100	3800	
19 Nov	Klare Spring	mixed - larrea	80	3100	
		spring	32	3100	
		cliff + road	16	3100	
19 Nov	Titus 3.1 mi W Klare	cliff - wash	60	2000	
20 Nov	Grapevine Canyon 1 mi E	Scotty's Castle Rip.	60	3100	
"	"	" "	Dry Canyon	50	3100
21 Nov	"	3.7 mi E "	larrea/yucca	60	3900
"	"	1 mi W "	various	60	2700
26 Nov	Route 5	milepost 10	Mesquites	120 (60×2)	1000 ft
	"	" 14	Bajada	120 (60×2)	1000 ft
27 Nov	Route 5	" 24	Bajada/wash	200 (100×2)	1320
29 Nov	Route 5	" 26.5	Bajada/wash	100	1700
"	"	" 30.1	Bajada	50	1940

18 Feb 1979. Scotty's Ranch

Set 40 traps, baited oats, around buildings, in wash and along banks, under brush piles, among rocks. Caught: Peromyscus crinitus (#1, 3, 4, 8, 9, 10, 11); Neotoma lepida (#6, 7,) Set at 4-5 PM, PU at about 11 AM. 9/40 = 23%

10 Mar 1979. Titus Canyon Rd.

Set 80 traps baited oats, starting at top of hill, a facing slope, going down into wash. First a narrow sandy wash, then a rocky island, then a broad gravelly wash, finally up a rocky N facing hillside. Set at 5-6 PM, PU at 12 noon. Caught: Ammospermophilus leucurus (#12) Dipodomys microps (#13, 15) D. merriami (#16, 21) Peromyscus maniculatus (#14, 17, 18, 19, 20) 10/80 = 13%. Saw considerable evidence of cattle. Bt. Jackrabbit. Cottontail.

31 Mar 1979 Currie Well

Set 100 traps, baited Oats. One line across flat (sagebrush) crossing a small wash and several tiny drainages, the other up a hill to top, hill was rocky, covered with scattered sagebrush and other shrubs. Caught: Peromyscus maniculatus (#22, 24, 27, 34(?), 37, 38, 40, 41) P. crinitus (23, 25, 26, 29, 32, 39) Dipodomys microps (28, 31) D. merriami (30)

31 Mar 1979 Carrie Well continued

Neotoma lepida (33,36) Ammospermophiles leucurus (35). No obvious partitioning of conquers. D. microps + D merriami caught in two traps 3 feet apart; P. crinitus and P. maniculatus caught in trap pairs. 20/100 = 20%

Several Jackrabbits & Cottontails.

Cattle around, many corpits; also equine feces, 1 burro (?) track in mud of well.

Seismologic station

30 May 1979 Phinney Canyon Rd. at junction of crossroad to Strozzi Ranch Rd. 5200 ft. Set 150 traps in 4 lines, bait: oats and molasses oats. Line 1: 40/6 = 42-47 across sagebrush flat, down into sand wash lined with cliff rose. Line 2: across sagebrush flat, down into a small wash (3 ft) and continuing up a small slope. (Molasses oats: 30 traps, caught only one beast #48) Line 3: 40 traps, oats, up and over rocky hill, caught 4 beasts #49-52.) Line 4: 40 traps, up over rocky hill, down into wash, up another hill to top. caught 6 beasts, #53-60.

Total: 19/150 = 12% (#42-60)

Dipodomys merriami (42) D. microps (45,44,46) Peromyscus maniculatus (48,50,58) P. crinitus (51,57) Neotoma lepida (47,49,55,56) Ammospermophiles (54,59,60)

30 May 79 Phinney Canyon Rd cont.

Perognathus longimembris (53, 43)

Perognathus formosus (?) (52)

Some evidence of cattle. Much evidence of burros. horses Coyote scat. On saddle of hill, a 10-20 ft area heavily covered burro shit and coyote shit. Saw jackrabbits and cottontails. Deer scat fairly common.

12 June 1979. Strozzi Ranch

Canyon, dense sagebrush (up to 6-ft tall) and other shrubs. Patch (ca 2 acres) very dense Salix, stinging nettles, Rosa. Spring, with decrepit barrel-type catchment at start of willow patch. Stretch of stream, ca 100 ft long. Hills with scattered pinons, rare junipers, common sagebrush, ephedra, ell(rock?), quite rocky. Big conglomerate (volcanic) boulders. Very difficult getting around here. Set 26 traps along stream, very close together, on both banks, on small islands (stream ca 3-ft wide at most) caught 6 heads, Peromyscus maniculatus, ; Peromyscus truei 1, Reithrodontomys megalotis

Set 40 traps in rocky area E side of wash, in sand wash, among scattered pinons and artemisia caught 3 heads

12 June Strozzi Ranch area.

all Peromyscus maniculatus specimens from this area, a total of 12, are numbers 61 through 73.

Set 40 traps along road, under apple trees, through willows and nettles, around spring, on boards in water, up rocky E facing hillside among scattered pinons. caught 4 peromyscus. Nothing on hillside. Picked up traps between 8 and 10 AM, set between 4 and 7 pm. All baited oats

area very heavily impacted by cows. Cow trails, cow pies (in water, especially) grazing. No evidence of burros. Checked buildings for bats, found none. Evidence of Neotoma in buildings, but not obvious away from buildings (among rocks). Saw several bats flying at night, early. (Myotis?) Margaret saw a chipmunk upstream about 1 mi, high on hillside, among pinons and junipers. Many jackrabbits and Cynomys ludovicianus along rd in and out. None of either seen in Strozzi Ranch area. Some (few) small rabbit pellets in orchard. Coyote scat. Skunk? scat along stream. Deer pellets on hills. Heard deer (?) at night, near spring.

wgsley
June 79

25 June 1979 Phinney Mine Shaft

Along Phinney Canyon Rd, approx 7 mi E Grapevine Pk we saw 5 horses - apparently "wild" near a group of cattle. All of these animals probably water at Currie Well. It is possible that the "burro" signs we saw at Currie Well and Phinney Canyon Rd. are actually horse signs. Camped about 200' E of "shaft" indicated on map. Set 80 Sherman traps along road, one line uphill from camp, the other downhill. Set traps in pairs, one of each pair baited with horse oats, the other with Quick Oats, in an attempt to test effectiveness of each bait. Saw a single rather large bat overhead at night - Eumops?

26 June 1979 Phinney Mine Shaft

Checked traps, 7am: Peromyscus maniculatus: 5 (#74, 77 kept, others freed) 3 with Quick Oats 2 with horse oats; Peromyscus truei: 3 (#75, 76, 78) 1 with Quick Oats, 2 with Horse Oats. Total 8/80 = 10%; Quick Oats = Horse Oats. Left traps open all day, caught one Eutamias panamintinus #79. Saw one Eutamias in a Pinon while setting traps this evening. Set 40 more traps, same bait system, ~~at~~ in a line perpendicular to road, up rocky hillside, in evening. This day we walked to the end of the road, which is actually about one mile

into the wilderness area. We were searching, unsuccessfully, for the spring indicated on the map. Habitat is Pinon with a few Junipers, understory primarily Cercocarpus. Steep hills around us. A spectacular view from the pass, looking W to the Sierras, E. to ? range. Found the hind leg of a mule deer along road on W side of ridge, chewed up by ?? Birds: R.S. Towhee (common, singing) Robin (H?) Chickadee (H - saw but not well) Bushtits (common) Sage Sparrow (uncommon) B.C. Sparrow (H) Scrub Jay (common) R.S. Flicker (uncommon) BH Grosbeak (H?) Brewer's Sparrow (H?) BTG Warbler (uncommon) another warbler (white throat, black on chest, white edged tailed - looked like Audubon's) B.G. Gnatcatcher (common). Empidonax (uncommon) W.W. Peewee (?) W.T. Swifts - several flying around pad; R.T. Hawk; B. Tail Hummingbird (not abundant, but noisy) Rock Wren (common). Saw no rabbits this day. Deer scat. Coyote scat. Lizards: Sceloporus (occidentalis?) fairly common. (May be graciosus). Leopard lizard along road yesterday. Red Racer along road out of here. Insects: Giant ants caught in camp last night: seemed solitary, 2 large, one smaller (same?)

Kingsley
5 June 79 p3

looked like "carpenter ants"

In evening, a "flock" of bats came wheeling over our heads, beginning at 8:15 and continuing intermittently until dark (or after?) looked like Myotis. Also a smaller bat (Pipistrelles?) and a larger bat (? Eumops?). Probably could have caught some if we had net strung across the road.

27 June 1979 Checked traps at 7 am, picked up all traps by 11 am. Kept all caught: Peromyscus maniculatus (#80, 81, 82, 83, 84, 85, 86) which was total catch: 7/120 = 4 with Quick Oats 3 with Horse Oats. On line along road going uphill: 0/40 going downhill: 5/40 perpendicular: 2/40. Not very productive! Watched a BT jackrabbit feeding on hill across canyon from trapline. Checked a small cave for bats, found none and no real evidence, but cave narrowed into a chimney. Packed up and left about 12:30. Saw Cnemidophorus tesselatus along road about 2 miles E of camp, where Pinons were getting scarcer and continuing sporadically to highway. Jackrabbits became common (5-6) once we had left Pinon Juniper.

Kuyokuy
25 June 79 p 4.

Saw 3 horses in same general area we had seen them previously. Saw Band tailed Pigeon in camp this morning.

General impressions: seems that trap success goes down as we go up. Need to test this further, with snap traps and different bait. May be gophers here Need to do baits. Someone has done some tree cutting here in the past. It seems that Juniper are rather scarce in this area, while pinon are dense. I have a hunch that juniper may be a provider - that P-J may be more productive than either P or J monocultures. May be worth testing.

7- July Strozzi Ranch revisited

On the way here, about 3 mi E of short road connecting Strozzi Ranch road to Pinney Canyon Rd. saw a coyote among sagebrush. Stopped the car and watched it. It trotted about 50 ft, turned and watched us for 5-10 seconds, trotted another 100 ft, down into, across a small wash, stopped on opposite bank and looked at us again, Then wandered off out of sight. Seen many crows, jackrabbits, ground squirrels (A. leucurus), cottontails (sp.) along road.

Set 50 traps up and downstream from improved spring, along water, along rocky wash, then a little uphill to pinons. Traps set in pairs, Museum Special baited with peanut butter, Sherman baited with Quick Rolled Oats. Set up bat net, ~~exact~~ 20 feet downstream from improved spring. Caught 2 Violet-green Swallows, no bats. Saw numerous (20±) bats: pipistrelle, Myotis? and ??, all of which avoided the net. Activity was greatest from 8 pm to 9 pm. Tapered off by 9:30. Took down net at 10 pm

8 July Picked up traps. 7 am, left open till 10:30. Caught 2 Peromyscus in snap traps (#87, 88) caught 2 Peromyscus (#91 and one released) in live traps and 2 Perognathus (89, 90). Total 6/50. One snap trap was gone to??

Full moon, bright, some high thin clouds

8 July Strozzi Ranch continued

Hiked about 1/2 way up Waguyhe Peak. Saw at least 8 cows, much of the area is heavily impacted by them. Cow pies very abundant, much evidence of overgrazing. Saw one cow with brand: WO. Many deer (?) trails, much sign of deer (? or sheep?) but no fresh scat or tracks. Mountain lion scat (?) under large pinon, in a small depression, large feces - human sized - full of hair and bone fragments. Saw a chipmunk 1/2 way up slope. Much evidence of tree cutting. Have the junipers been mostly removed? There are some junipers still standing, some with several branches cut, but the tree still alive, and some stumps. In the evening, around 6:30, saw a Gray Fox among the rocks. E of our campsite, walking in no hurry but disappearing among boulders and vegetation. Continued our trap line uphill, among rocks and pinons and junipers. Saw Neotoma nests among rocks. Set total of 50 traps, as before in pairs one snap one live, baited with rolled oats (live) or peanut butter and oats (snap). In morning, found: 2 Peromyscus truei (93, 94); 5 P. maniculatus (92, 95, 96) plus 2 freed; 7/80, 4 traps sprung no beast. Hiked to top of small hill, resetting live traps, in of terrace. Reset 40 live traps, baited with oats.

10 July DSVA - Strozzi Ranch

Coots not as noisy and conspicuous as they were last time we were here. From top of hill, we had a magnificent view of many (10+) square miles. Saw no coots, or any other large animals. Numerous (20±) bats last night. Picked up (closed) traps in morning 7-8. Caught 2 Peromyscus (98, 99) and one Perognathus #97

Climbed to top (almost) of Wagupke Peak - a long arduous trip, but well worth it. On the way up, we saw a doe mule deer, 2+ yrs old; a 4-point buck; returning, we saw a yearling doe and (separately) 2 spotted fawns. The fawns were large (over 3 ft long), fat, somewhat clumsy, chocolatey-gray with rows of white spots. They fled from us (flushed as we approached) the first one (the younger) with a rather clumsy slow trot, the second with more-or-less the bounding flight characteristic of the species. Saw several jackrabbits in the valley and along slopes, scat at the higher elevations, but not at the peak. Saw 2 cottontails, very near the top of the mountain, but did not get a very good look at either of them. Plentiful gopher (?) diggings in the valley by which we approached the mountain and some on top of the mountain (but not in the immediate

10 July 1979 Strozzi Ranch

vicinity of our camp. On top of mountain, saw some chipmunk (?) diggings, but no chipmunks. Magnificent view from mountain - gave us a much better understanding of the scope of the Grapevine Mountains. On return, discovered 3 piles of cut logs, high up on slope at head of valley - logging must have stopped rather abruptly, to leave behind this work - logs were ca 3' long, some 1' or more diameter, neatly stacked in long cords. In valley, saw diggings of a predator (fox? badger? coyote?) and several cattle. Set 30 live traps, baited with oats, along road between camp (apple orchard) and buildings, and in buildings caught: ◎.

11 July Strozzi Ranch

Saw two Ammospermophilus spring, on top of a small knoll 150' away from camp on E facing slope.

7- July 79 Strozzi Ranch revisited

Bird List

Violet-green Swallow
R.T. Hawk
Scott's Oriole
Poorwill
Mourning Dove
Broad-tailed Hummingbird
Common Bushtits
R.S. Towhee
House Finch
Pinon Jay
Black-throated Sparrows
Rock Wren
Black-headed Grosbeak
Raven
✓ Chukar
✓ House Wren
ATF Flycatcher
BG Gnatcatcher
WT Swift
Scrub Jay
Lesser Goldfinch
✓ Brown-headed Cowbird
Say's Phoebe
Empidonax
Mockingbird
✓ Rufous Hummingbird
Cassin's Finch
Mountain Bluebird

Brewer's Sparrow
B.T. Gray Warbler

19-24 July 1979 Phinney Mine shaft to Grapevine Peak, with a side trip to Phinney Spring

We arrived late afternoon (ca 5 pm) at our campsite near the shaft, and prepared to hike up to the pass to spend the first night of a several day backpacking trip. The weather looked potentially threatening, so we ascended the hill N of camp to get a better view. Rain started before we reached the top of the hill, so we decided to stay in the vehicle for the night. During a lull in the rain, I managed to put out 18 snap traps, going up the ridge S of camp, including sets at several fallen logs and likely-looking rocks. It rained off-and-on most of the night. Results of 18 trap-nights (museum special traps, baited with peanut butter and quick rolled oats): 1- Reithrodontomys megalotis (#100); 4- Peromyscus (#101-104). Put up the Reithrodontomys as a skin, and the Peromyscus skinned and preserved with Calorax (thanks to Keith Grove for the suggestion and material).

On the trip in to our campsite, going thru sarcobatus flat, saw 10 jackrabbits, a Mule?, a Burrowing Owl and several Leconte's Thrashers and Horned Larks.

20 July Rained most of the day and night, mostly a light, misty rain that

19-24 July 1979

Kept us indoors (in the Scout) almost all day. Set 30 museum Special snap traps baited with Peanut Butter and quick rolled oats, up the narrow rocky canyon N of camp. Rained at night. Heard a Screech Owl.

21 July 1979 results of last night's trapping: 2 Peromyscus (#105, 106). Many of the traps had been set off by the rain. One caught a Neotoma by the tail. The rat dragged the trap much of the way under a boulder, then managed to slip the skin off the tail, so I found the tail skin in the trap. After preping the specimens, we set off on our packing trip. A rugged uphill climb with 40 pound packs for two hikers in rather poor shape. We collapsed about 1/2 way to our goal; atop a ridge 1 3/8 mi E and 1/4 mi S of Grapevine Peak (7840'). Saw considerable Horse sign and some Deer sign over much of our route and around our campsite. Set 24 snap traps, baited with peanut butter and quick rolled oats, in a line through our campsite beginning on a rocky outcrop, then up a small ridge, down the steep other side of it. Habitat essentially similar to the area around the windshaft. It did not rain this night.

22 July 1979

Results of last night's trapping: 9 Peromyscus (107–115), two of which (114, 115) recorded data only, the others preserved with Calorax. Saw packrat sign in rock crevices, but caught none. After preping specimens, we proceeded to our goal: Graypeine Peak. Much of the way we followed horse trails, but did not see any horses, though we saw some fairly fresh (less than 1 week old) horse sign. Camped on the edge of a sagebrush meadow, set 30 snap traps (peanut butter and oats) across meadow. Hiked to top of peak, through timber pines. At top of peak, found a register signed by those other hard y souls who had made the ascent, most of whom made it it under 3 hours! (But they probably went carrying 40 lb packs). Light rain during the night.

23 July 1979 Results of last night's trapping: 10 P. maniculatus (116–124, one not examined closely because it was infested with ants). Left traps set until 2:30 pm in the hopes of catching diurnal beasts, but had no success. There are many burrow entrances (ground squirrels?) and much gopher sign

23 July 1979 continued

Obviously we need to return to this park many times. Much horse and deer sign up here. We returned to the vehicle in the afternoon, the trip lasting only about 2 hours. Saw a rattlesnake in a talus slope that we crossed, it rattled and disappeared under a rock. Too tired to set traps this night.

24 July 1979 Hiked to "Phinney Mine" and "Phinney Spring". Between mine and spring found a dead mule deer doe (spotted) under a pinon. Much of the deer had been eaten, the head almost completely destroyed, skull splintered; abdomen opened and viscera (largely removed) and (presumed) eaten; neck twisted; strangely, the legs were mostly intact. Carcass was soft, moist, not very ripe, infested with sexton beetles and some maggots. Looked like the work of a mountain lion.

At and around spring, much deer sign. No cow or horse sign! Though both can be found within ½ mile.

Returned home at about 12:30. Saw only one jackrabbit along road on way out. Saw many cows (40) and a group of 11 equines: 1 burro 3 mules 7 horses along road, near

24 July 1979

Farris well. All looked like adults (we saw them from about ¼ mile away). Could it be that a tough Jackass got involved with a band of horses and became father to the mules? That's what it looks like.

Description of Phinney Spring: up canyon from mine shafts and structures, following pipeline. A small seep from canyon wall runs downstream maybe 100–150 feet, nowhere more than 1 foot across and one inch deep. Dense growth of grasses (Elymus) and sedges. Pipes piled up and several rusting pieces of metal, a mine claim marker at the head of the spring. Surrounded by pinons.

Bird list, next page.

No rabbits seen on peak, but rabbit sign (cottontail and jackrabbit) found. Saw a young jackrabbit on ridge just N of camp (mine shaft).

No bats seen this trip!

19-24 July 1979. Phinney Mine
Craft to Grapevine Peak.

Bird List

Cooper's Hawk - 1 ♀ top of peak
* Chukar - at camp, at spring, top of peak
Band-tailed Pigeon - at camp
Screech Owl - heard at camp
Poor-will - heard at camp
White-throated Swift - near peak, at camp.
Costa's Hummingbird - adult male, on peak
? (Broad-tailed) Hummingbird - ♂♂ and juv. common
Red-shafted Flicker - everywhere
Hairy Woodpecker - ½ way to peak
Ash-throated Flycatcher - ½ way to peak
? Gray Flycatcher (Empidonax) - everywhere
Scrub Jay - everywhere
Pinon Jay - a large flock heard at camp
Mountain Chickadee - everywhere
Raven - top of mountain, at camp
Common Bushtit - all sites
White-breasted Nuthatch - camp and peak
Bewick's Wren - on peak
Rock Wren - all sites
Blue-gray Gnatcatcher - camp, spring
Black-throated Gray Warbler - spring
Black-headed Grosbeak - camp + spring
Cassin's Finch - peak
Lesser Goldfinch - spring
Rufous-sided Towhee - common, all sites
Black-throated Sparrow - camp.

19-24 July 1979 - Bird List, Continued

Oregon Junco - camp
Chipping Sparrow - peak
Brewer's Sparrow - peak
* Hermit Thrush - peak -
* Savannah? Sparrow - spring
streaked breast, white throat, white extending to ears, dark lines extending from eyes, white eyebrow; top of head streaked (dark streak in center).

*: not recorded by Miller, or? by Miller.

Crotalus mitchelli

3-7 August 1979. Furnace Creek, Scotty's Castle, Phinney Canyon, Phinney Spring, 4093 canyon.

3 August. Departed in afternoon for drive to Furnace Creek Headquarters, arriving at 4:15. Spoke with dispatcher, Mrs Ek, who arranged our accomodations and introduced us to the library. Spoke with Pete Sanchez, who pointed out some of the information he has compiled and gave us access permission. The area extremely helpful and personable, we look forward to much more contact with him. Copied information from the spring book about the springs that we intended to visit. Spent the night in a park service trailer.

4 August arose before dawn and were on our way along the highway northward. Saw an apparently injured Black-crowned Night Heron hopping beside the road, midway between Furnace Creek and the Stovepipe Wells turnoff. Stopped in a few places to photograph and botanize. Found a few scraps of a dead (and eaten) dog (Canis familiaris) near the radiator water tank. Stopped at a cottonwood grove

4 August 1979 continued
beside road, approx 2-3 miles W of Scotty's Castle to botanize and bird. Loggerhead Shrike, Empidonax?, Black-throated Sparrows, House Finch. Proceeded to Scotty's Castle, where Margaret botanized while I napped and watched House Sparrows. Continued, after a stop in Beatty for gas, on to Phinney Canyon. Camped at the dirt wash in the mouth of the small canyon just E of the shaft indicated on map. Set traps (22 museum specials, baited with peanut butter, rolled oats, and bacon fat mixture) 12 along stream from source to a large rock, 4 downstream from rock, and 6 around mineshafts and cabin. Watched bats swooping over roof of our vehicle, as though approaching water(? what were they doing?). It would have been easy to catch them, had we been properly equipped.

Phinney Canyon

5 August 1979 Last night's trapping yielded 2 Reithrodontomys (#125, 126) 2 Peromyscus maniculatus (127, 128) and a Neotoma (129). Spent the morning in camp skinning while Margaret did transects. A Red-breasted Nuthatch (not mentioned by Miller) visited us briefly and examined us

5 Aug 1979 continued

closely while we examined him.

At the stream, rather a bit before it, I noticed that the dead fawn found on our previous expedition here (24 July 1979) had been moved a few feet, but was still under the same tree, and had been somewhat more consumed.

This afternoon, we proceeded to hike up the canyon going N from Phinney Mine, over a saddle, then down into the next valley. About ½ way up canyon, encountered a buzzing Crotalus viridis. We explored the vicinity of the saddle for Spring #232 - Pine Spring, but were unable to locate it where we believed it should be. (Probably an error in placing it on the map.) Found much evidence of cattle and horses on the N facing slope and ridge top, but not in the S facing canyon, where we found much evidence of deer. Located a spring (the spring?) at the bottom of the canyon (N-facing). On the map, it doesn't look like a canyon, but on the ground it is a rather rugged canyon. The spring was actually a stream, about

5 August 1979, continued
200-300 feet long, severely impacted by cattle, a dearth of vegetation, high browse lines on all trees and shrubs along its course. A mud bottom beforked by cowpies and tracks. In the vicinity, we saw 11 cows.
We proceeded across the valley to a rock outcrop just W of the fork in the wash, where we camped and set 40 traps (as before). Most of the traps were along the wash, vegetation mostly tall Eriogonum, some Chrysothamnus, Parkia, scattered small pinons. A small, very rocky wash, a large rock outcrop. Elevation 6700'. Set traps at sunset (8 PM). There was a short (15-20 ft) prospect tunnel in rock outcrop, evidence of Neotoma in rocks.
Saw a Screech Owl (?) swooping near us just as it was getting dark.
6 August 1979. Last night's traps caught: 1 Perognathus intermedius (#130) 1 Neotoma lepida (#131) 1 Ammospermophilus (#132). Left traps until noon.
Hiked up canyon to spring #233, frightening a cow away from the spring as we approached.

6 August 1979 continued.

Spring # 23~~3~~ (that's 233) "Jaybird" spring, was just a wet patch of mud about 20 ft in diameter on the low side of a ridge. Two or 3 small Salix grew on the uphill side, some Rosa and spineless Ribes around the sides. Most of the water present was in cow tracks. Many cow tracks + trails, cow pies, deer sign. Sat and watched birds using the spring for ½ hr. Saw 1 Ammospermophilus

Bird List

Birds: White-throated Swift, Say's Phoebe, Bewick's Wren, Black-throated Sparrow, Green-tailed Towhee, Common Bushtits, Blue-gray Gnatcatcher, Brewer's Sparrow, Black-headed Grosbeak, Black-throated Gray Warbler, Chipping Sparrow, Sage Sparrow, Scrub Jay, Rufous-sided Towhee, Broad-tailed (?) Hummingbird, Empidonax. A very birdy little spring - obviously of great importance to the birds.

Later, we proceeded downstream to Spring # 230. Spring # 230, Log Spring, is a stream 200-300 yards long. Severely impacted by cattle, of which we saw several. Also saw Mule Deer, a doe and fawn (fawn just losing spots). Lots of House Finches and a good look at a Hermit Thrush.

6 August 1979. continued.
Some horse shit. Some dandelions!
Not much for birds - at least not
many visible.

Proceeded to spring 230A. Up on the ridge we saw some cows, they led us to the water. Not much water, mostly mud with water in cow tracks. Deer sign.

Continued on toward camp, intending to stop at Spring #229 but couldn't find it. The country is much more rugged that it looks on the map, there are fair-sized ridges and canyons that don't show up as more than slight indentations on the map. The trip back to camp was exhausting. Too tired to set traps tonight. Saw a family of Western Bluebirds on our way back to camp. Heard a Great Horned Owl and Poor-wills at night.

7 August 1979

Went ~~to~~ looking for gophers this morning. Tried digging up what I thought were gopher mounds along road between camp and "shaft" but found no tunnels, and eventually gave up. Explored the mine shafts at Phinney Mine. (Saw two "Oregon" Juncos). The (W) shaft went

7 August 1979 continued

several hundred feet into hill, had two main branches and several small tunnels and chambers. The E shaft was smaller. In the W shaft, roosting singly, found 2 bats (#133, 134), in E shaft found only one (#135). After exploring the mines, we packed up and went home.

Aug 3-7 1979 Bird List

Black-crowned Night Heron - valley
Raven
* Chukar - heard, saw!
Screech Owl?
Poor-will - heard at night, camps
White-throated Swift
? Broad-tailed Hummingbird
Red-shafted Flicker
? Hairy Woodpecker
Ash-throated Flycatcher
Gray Flycatcher (Empidonax)
Scrub Jay
Pinon Jay
Mountain Chickadee
Common Bushtit
* Red-breasted Nuthatch
Bewick's Wren
Rock Wren
Blue-gray Gnatcatcher
Black-throated Gray Warbler
Black-headed Grosbeak
Rufous-sided Towhee
Green-tailed Towhee
Black-throated Sparrow
Sage Sparrow
Oregon Junco
Clipping Sparrow
Hermit Thrush

Aug 3-7 1979 Bird List continued

Loggerhead Shrike - valley
Say's Phoebe
Brewer's Sparrow
House Finch
* Western Bluebirds
Great Horned Owl
House Sparrow - valley

* Not recorded by Miller.

Crotalus Mitchelli 1

16 August 1979. Strozzi Ranch

arrived about 3 pm, proceeded on hike up canyon SSE of ranch, very rugged steep and rocky. Some interesting rock formations. Deer sign, cow sign, porcupine sign (quewing of pinons). Hiked most of the way up the canyon, then back to ranch along ridge E of ranch, and downhill.

Set 40 live traps baited with oats, shortly after dark. Some rain (sprinkles) this night. Set traps along road every 25 steps, S side of road, within 10 feet of roadside.

17 August 1979. Last night's traps caught 6 specimens 137-142. Left traps (34 of them) set all day in hopes of catching ground squirrels or chipmunks (unsuccessful). At A.M., set 40 live traps baited with oats in line perpendicular to first line, starting near top of rocky ridge SE of camp, going down across road, then up and over ridge NW, ending in valley. Left them set for 24 hours.

Spent afternoon hiking, first NE along road, then E. and S to springs 219, 220, and 218, then up over ridge to camp. Spring #219 is a stream, 150-200 ft long, beginning from a mud patch on bank of wash. Fenced by Park Service

16-18 Aug 79 continued p 2

several years ago. The fence has been pretty thoroughly destroyed (G. Vequist says "by horses"). About 1/4 mile N of spring, found a dead cow, mostly eaten. Beside stream, found a dead fawn, mostly eaten: head brought back as a specimen (#152). Corpse was eviscerated, paunch split but left lying near carcass; fore legs turned around, pointing upward; No tracks or other sign of predators visible. Carcass was not covered or hidden. Saw a live fawn, spots almost gone, good gait, flushed in wash. Saw a doe on ridge SE of canyon. Much other deer sign. Also much cow sign, and a couple of cows seen. Spring area has been pretty heavily cowed.

Found skull - #153 - mule deer ♂ - among rocks in small canyon S of this spring. Proceeded in search of spring 220 - think we found it, but it was dry, just a patch of lush vegetation - sambucus, Then continued up canyon to spring #218. Spring #218 was a small stream, ca 100 ft long, dense willows, roses, and columbines (in flower). Some cow sign, but branches of dead willows created a fence protecting some of the vegetation. Found a stone corral and remains of a shack near here.

16-18 August 1979 continued p3

Hiked uphill from this spring, over ridge to camp. saw a chipmunk on this ridge. Very rugged climb. In evening set up bat net, but caught nothing- saw pipistrelles and ??. Left 74 traps set overnight.

18 August 1979 Last night's traps caught # 143 – 151. Started picking up traps at 8 am, continued until 11 am. Met Gary Vequist, Grapevine ranger, and had a good rap with him. Packed up and left area at 12:30 Saw 4 horses on way out, near curry well.

Bird List 16-18 August 1979 Strozzi Ranch area

Western Tanager
Pinon Jay
Scrub Jay
Blue-gray Gnatcatcher
Black-throated Sparrow
Raven
House Finch
White-throated Swift
Empidonax Sp.
Scott's Oriole
* House Wren
Violet-green Swallow
* Brown-headed Cowbird
* Chukar
Common Bushtit
Black-headed Grosbeak
Rock Wren
Sage Sparrow
Ruf[illegible]-sided Towhee
Plain Titmouse
Mountain Chickadee
? Hummingbird
LeConte's Thrasher
Horned Lark

1-2 September 1979 Road between McDonald Spring and Mexican Camp

Set 120 traps in 3 lines; 1 sept, set 80 traps in two lines. Line 1: along road; line 2: across "mesa" (ridge) down into draw, and out continuing ~~along~~ across ridge - Hard a transect along this line; her transect #9; 2 Sept, picked up caught beasts, reset traps, set a new line of 40 at ⊥ to road up a rocky draw (heavy with Purslia). Total of 200 trap nights this location. Checked traps in evening after a long hike to ridge saddle at start of this canyon (could see Titus Canyon) caught 3 Ammospermophiles, one had died in trap.

Second night, mesa line; 40 traps: 3 dipo 1 perognathus

Second night, road line, 40 traps: 4/40

1st night, draw: 11 beasts/40

and one coachwhip snake! all traps in by 11 AM

cows and horses, jackrabbits, mule deer sign

Specimens 155 - 252 - 47/200

2-9 September Tuesday Math Class
set 150 traps, thermos in 4 times
I d_f 40, I d_b 30. Our ratio (ridge line)
of ridge N-S road, our line 30 is down hill
(S), next row 3 down from west, last (20)
along road V by valley, P-J-A
conduct 2 P [illegible] = 1 hour
to be used as experimental animal for
physiology, 1 neuromuscular (Henry 1959)
1 Nicotine (in rocky hills) #203

13-14 Oct 1979 M's transects; 15, 16, 17, 18
Seismologic station, Planning Canyon Road
at junction with crossroad to Strozzi Ranch
road. Same campsite as 30 May 1979.
Set 120 Sherman traps baited with
quick rolled oats, in 2-trap stations
approx 20 meters apart, 40 to a line,
3 lines. Line 1 going N from camp,
across road, uphill, crossing wash,
about 4/5 way up saddle. Lines
2 and 3 parallel to each other, (20 apart)
SE from camp, across sage
flat with small sand wash.

Line # 1 caught: #209-222, 14 animals
7 Dipodomys sp. 1 Peromyscus sp.
2 Peromyscus crinitus 1 Onychomys
2 Peromyscus 1 Neotoma
35% success.

Line #2 caught: # 223-232 9 animals
8 Peromyscus 1 Onychomys

Line #3 caught #233-243 11 animals
4 Dipodomys sp 5 Peromyscus
2 Onychomys

Saw a group of 7 burros near
Bullfrog hills.

Hiked N over hill to large wash
with rocky sides. Much sign of
cattle and some horses.

Saw 3 golden eagles.

22-24 November 1979 Willow Spring Road

Arrived at washout of road about 1 PM. Parked in Creosote - Franseria at edge of wash, hiked along road to its end, about 1/4 mile from willow spring. Much coyote scat along road, also Ammospermophilus (?) holes. A few old cow pies and equine droppings. Several jackrabbits and cottontails. Camped on ridge NEE of willow spring. Next day (23) hiked to willow spring. There are 3 quite different springs on same hill, 2 have dense small patch of willows, with grass and sedge abundant. One (in middle) has nearly Baccharis and grass-sedge. Evidence of sheep at all 3, no recent cow or equine evidence. Many quail, some Chukars, Marsh Hawk, Kestrel, W.C. Sparrows. Some Coyote as we approached springs. Hiked back to vehicle and set 80 traps in 2 lines Sherman traps baited & rolled oats, 2 per station, stations 20 meter apart. 1 line across desert pavement, second along wash. Heard Coyotes at night. 24th line one caught: 10 Dipos -- (#244-253) microps and merriami. Line 2 caught: 9 Dipos and 1 Onychomys. (#254-263) (20/80 = 25%) Margaret did a plant transect along line 1 (#1)

Stop 10 C #19 Belt #1

22-24 November 1979 Willow Spring Road p. 2.

Saw Angiosperm plikes, hepes and sylvilages on this area.

Birds: Marsh Hawk
Sparrow Hawk
Gambel's Quail
Chukar
Raven
Cactus Wren
White-crowned Sparrow

Weather cool and windy 22, 23, warmer 24 ~~partly~~ overcast 22, partly cloudy then clearing 23, clear 24.

Spot found a foot of a sheep or deer near willow spring.

Left traps at 4PM, PU at 11:45

29 Dec 1979 - 1 Jan 1980

Stopped first at Daylight Pass, Daylight Spring. Hiked around looking for H_2O with no success. Saw a lot (ca 50) of Chukars. Then proceeded to "Tight fit Canyon", camp at mouth of canyon, hiked in moonlight about 1 mile up canyon. Next day hiked up canyon about 2 miles. Looks like good sheep habitat, but saw no sheep or signs of them.

30 Dec 1979 - Drove around W side of Grapevines to DRI trailer, mapping veg. communities.

31 Dec hiked to "Surprise Springs", ~~et~~ saw an old packrat midden which we should collect, found owl pellets with packrat bones. Drove around the range to Hooligan Mine, looked for but did not find a spring nearby; drove to MacDonald Spring - saw ca. 20 coyotes and 4 horses. Spring is severely "cowed" as is surrounding area. Camped about one mile E of spring. Hit the sack at 7 PM on New Year's Eve.

1 Jan 1980 - awoke to watch a coyote breakfasting on the carcass of a long-dead cow as we had our breakfast. Proceeded to our former Mexican Camp Rd site (of 1-2 Sept) where we stopped for a few minutes. Then went home.

No trapping this trip.

17-20 January 1980

Primary purpose of this trip was to install weather stations. Secondary purpose was to hike through part of Titus Canyon and Fall Canyon. Drove to Furnace Creek via Pahrump, Shoshone route. Picked up fence post w/ bumper. Set one station at 0 elevation, then camped at Mesquite Spring Campground. Rained in early morning

18 Jan - set rain guage + Hilo at Radiator Water Then proceeded to E side of range, Phinney Mine, to set 2 more stations. Snow started as we headed toward camp at Willow Spring road, so we holed up at the wagon wheel motel in ~~Beatty~~. Saw a Kit Fox in Sarcobatus Flat.

19 Jan - Drove through Titus Canyon. Stopped at Leadfield and hiked about 2 mi up Titus Canyon. Saw several sets of Sheep tracks, ~~Fresh~~ considerable sheep shit. Found remains of ringtail. Got snowed on some, but not much. Spent night at Stovepipe Wells.

20 Jan 1980 - Parked at parking lot at end of Titus Canyon and hiked up ~~Fall~~ Canyon to Fall. Saw considerable sheep shit in wash, widely scattered. No sheep seen. Came home at night.

31 March 1980 - Scotty's Ranch, Death Valley N.M.

Set pairs of traps, 1 Museum special baited with peanut butter - bacon fat - rolled oats, 1 Sherman baited with rolled oats at irregular intervals (approx. 20 meters) along and within dense springside vegetation above ranch house. Vegetation was mostly Pluchea, Baccharis, some Prosopsis, Arundo, Distichlis. Set 20 stations. Call this "spring-riparian line".

Also set 10 stations, 2 Shermans, at 20 meter intervals SW of ranch house through Larrea - Ambrosia, rocky with small rocks (under 1 foot diameter) call this "Larrea-ambrosia line"

Set traps at sunset (approx 5:30 pm) Total: 60 traps

Retired to Desert Research Institute trailer, which has some electrical problems: not enough juice to feed refrigerator and hot H_2O heater. Must call Tom O'Farrel about this.

1 April 1980: a cold, cloudy, windy morning. Checked traps, left them in place for another night.

Catch: "Spring-riparian line": 11 Peromyscus crinitus? (272, 274, 275, 276, 277, 281, 282, 283, 284, 285 and 1 released) some of these may be other species. ( );

3 Reithrodontomys megalotis (273, 278, 280 ———).

(all on snap traps); 1 Perognathus

3 Neotoma - all let go. Total 17/40

"Larrea-Ambrosia line" 5 Perognathus

(265, 266, 268, 269, 271) 2 Peromyscus (crinitus?)

(267, 270) Total: 7/20

1 April 1980 continued p2. After checking traps, Margaret and I set off on what was to have been a brief adventure that turned out to be a 3 hour hike. First we walked downstream along a mesquite-lined stream for about ⅛ mile, then upstream amid cottonwood-willow-mesquite. Then along base of ridge leading N for ca. 1 mile to a complex of small streams rushing-gurgling with tiny waterfalls. Then up hill and back along the top of the ridge. There are several (4-5) extensive spring-riparian areas up there, including one very large that sports a family of palm trees! Quite a bit of travertine along the ridge, some Neotoma sign. A number of trails, quite old, of a large animal, probably Homo Sap. Many cairns, some tin cans and assorted garbage. Windy all morning. At lunchtime (1:30) the wind died down and no-see-ums attacked in force. Very irritating. For the rest of the day, we were pestered by them. Set more traps. A line of 40 running downstream through cottonwood-willow till that gave out, crossing road then along dry wash parallel to road. Traps in pairs, snap and Sherman, baited as before. Then crossed road and went to mesquite-riparian line
mesquite-lined stream with a few small cottonwoods. Began line at small cottonwood, headed upstream - set 2 snap, 20 Shermans at approx 20 meter intervals. Baited Shermans with peanut-butter coated oats. Then we took the

1 April 1980 continued p3

Left fork road at gate, headed to remains of a small cabin. (CABIN LINE) Set 40 sherman baited with peanut-butter flavored oats along small vegetation choked stream. Vegetation included Cottonwood, Willow, Mesquite, Arundo, cattails, Baccharis, Vitis, Pluchea and Cirsium.

Returned home after an ice cream at Scotty's Castle and an attempt at fixing electricity.

Birds: Common Snipe, Meadowlark, Turkey Vulture, Ravens, Red-tailed Hawk, Cooper's Hawk, Kestrel (?) R.S. Flicker, Say's Phoebe

Put specimens in Coleman frig with dry ice: an experiment.

Saw considerable coyote scat.

2 April 1980 Scotty's Ranch Death Valley N.M.

Returned to Scotty's Ranch to pick up traps at 7:30 AM. "No-see-ums" active early, becoming almost intolerable as day wore on. {See important note at end of today}

"Spring-riparian line" 2 Peromyscus (283, 284) and 1 tail
6 Neotoma (286, others released) 1 Reithrodontomys (285)
(Total 9/40)

"Larrea-Ambrosia line" 3 Perognathus (287 + 2 released)
(3/20)

"Mesquite-riparian line" 4 Peromyscus (288 and 3 released)
2 Neotoma (released) (6/22)

"Cottonwood-willow line" Riparian: 7 Peromyscus (291, 292, 293, 294, plus 3 released) Dry wash 2 Peromyscus (289, 1 released)
1 Perognathus released (10/40)

2 April 1980 p2

"Cabin Line" 14 Peromyscus released, 1 (295) kept because it was near death. 1 Neotoma, released; 3 Reithrodontomys released. 19/40

Margaret and I did a vegetation transect (Belted #2) through Atriplex-Ambrosia-Larrea area outside the Scotty's Ranch fence, then I put in a trapline of 40 Sherman's baited with peanut butter flavored oats, more-or-less along her transect line.

That's all the traps we got out today, do to the hassle of a trip to Furnace Creek to get ice, the discovery that they were sold out (& all campgrounds full) then a trip to Beatty to finally get ice. The dry ice isn't holding up as well as I had hoped. Got back at 7. PM.

{I misguessed with my specimen numbering, todays #283 should be #286 and so on, add "3" to each number above to get correct specimen number}

3 April 1980 Scotty's Ranch Area, Desert, Atriplex-Ambrosia-Larrea

Battling hordes of rapacious KO-SEE-VUS, I picked up 40 traps at 7:40-8:20 AM. Catch: 9 Dipodomys (299,300 + 7 released) and 3 Perognathus (301,302 + 1 released) No Peromyscus - why not?? 12/40

After a brief nap, we drove to the junction of the Beatty road, keeping an eye out for specific sites to investigate. Working our way back, we stopped at 4 places and set traps

3 April cont. p 2.

The first area was a barren fan, with Tidestromia sp. as the only visible perennial (and it's suffrutescent!) Set a line of 40 Shermans, peanut-butter and bacon grease flavored oats, across this area. Area is approximately milepost #1 No sign of any mammals, except what looked like an abandoned Dipodomys deserti burrow. Second area, at approx milepost 1.5, adjacent to first, was dominated by Larrea with Tidestromia frequent. Margaret did a transect while I set a line of 40 Shermans, same bait. No obvious sign of mammals here. Third area was dominated by Atriplex lycioides (Desert Holly), again, 40 traps, no mammal sign obvious, Margaret did a transect. Last area was a patch of mesquite hummocks near milepost 7. Set a pair of traps at each hummock, total 20 traps. Ran out of bait. Neotoma castles in several hummocks, Dipo? diggings also. Coyote scat.

lost 4 38-2 broken

4 April Picked up traps. On Tidestromia flat: 0/40. Larrea-Tidestromia area: 0/40 Atriplex area 2/38 both Dipodomys merriami (#303, 304)

Mesquite hummocks 1/20, Dipodomys merriami (#305)

Disappointing, not about what I would expect.

19 May 1980. Spent most of the day hassling, preparing for trip which was supposed to start today. Just couldn't get it all together in time so postponed it a day.

20 May 1980 Arrived at our parking place near Pleiney Mine at about 2:30 pm. Set off to climb Waguyha Peak with our heavy packs. Climbed NW side of mountain - took about 3 hours to go one mile. Very difficult and exhausting, but the views and the serenity of our campsite was well worth the effort. Especially hard on dogs, whose bare feet were injured by the rough rocks and sharp talus. Followed deer trails. Plenty of deer sign all over this mountain, but we did not see any deer. Strange fires - signals? - on military reservation East of us at night.

21 May 1980 Hiked up to the summit of Waguyha. The register was signed by some guy who climbed Grapevine and Palmer in one day, then climbed Waguyha "as an afterthought" next day. Fantastic view - WT swifts & VG swallows zipped by our heads. No packrat nests obvious on whole top of mountain. Lots of deer sign. Saw Mountain Bluebirds, Clark's Nutcrackers, Cassin's Finch, Hermit Thrush, Chickadees, Bushtits, Junco, Pinon Jays, Hummingbird (probably Black-chinned)

Hiked downhill to our camp at truck, arriving about 4PM. Heard a Whip-poor-will outside our tent.

22 May 1980. Hiked up to pass, W of mine shaft, then down to Doe Spring. After much searching, located

22 May 1980 cont. pg.

the spring which was basically just a mud puddle about 3' wide by 6' long and 1" deep. the grass around the spring had been chomped by some creatures - most likely deer, as there were no other large animal signs around, and there were deer trails in abundance, though no recognizable tracks in the mud. After a brief rest, headed S. uphill to a small peak (elev 7780) where we had lunch and contemplated an assault on Mt Palmer. We decided against it for that day, but concluded that we might be able to to it as a day hike (without dogs) and intend to try it on our next trip. Hiked back to the pass, where we rested. Saw 2 Red-tailed Hawks soaring overhead. Then back to camp for a lazy contemplative afternoon.

23 May 1980. Checked out Phinney Spring. Flow was much less than last year, only 1 inch deep at most, 1' wide, and only about half its former length. Explored the W shaft of Phinney Mine, where we found two Plecotus roosting. Headed for home, encountering
who is collecting butterflies and enlisted our volunteered assistance to do a survey collection for him. Storm coming in from the N hastened our retreat.

4 June 1980. Took Titus Canyon road, stopping along the way at lower elevations to check rain gauge and hi-lo thermometer and admire wildflowers. Machaeranthera sp. and Castilleja were spectacular. Stopped at turnout saddle approx. 5200 Ft. where Grapevine Pk and Bullfrog maps meet. Mixed shrub community: Atriplex, Menodora, Grayia, Happlopappus, Cooperi, Ephedra and others. Hiked N to a small rock pinnacle about 5600 Ft and 2/3 mile N of turnout. Mostly volcanic, many small talus slopes. Found curious Neotoma nests in small rock caves. Nests (2) were each approx. 1 ft by 2 ft by 6-8 inches tall, made up almost entirely of dozens of small flat rocks each about 2 inches square, neatly overlapped. Photographed these. Saw several piles of sheep droppings along our route. Set 4 traplines, total of 140 traps. radiating out from our parking place N (26) NE (40) & SW (38) SE (36). Set traps approx 20 metres apart, in pairs. Sherman traps baited with oats coated with peanut butter and bacon fat. Habitat is relatively homogeneous, although there are a few small rock outcrops, talus slopes, drainages (but no really good washes). North trapline is along the remains of an old road, with plants characteristic of disturbed soil.

5 June 1980. Very windy last night. 1/2 moon.
Picked up traps set yesterday, caught:

1 - Ammospermophilus leucurus #308
2 Dipodomys merriami #306
1 Dipodomys microps #313
7 ♂♂ Peromyscus maniculatus ~~sonoriensis~~ not kept
5 ♀♀ Peromyscus truei #307, 310
1 Peromyscus crinitus #309
1 Perognathus formosus sp. #312

Kept 1 of each species I had 2 or more of,
released the rest. Success 18/140
Spent most of the day stuffing three specimens
in the tent. Another windy day, but otherwise
beautiful. Late in the afternoon, around 5 PM,
helped Margaret with a vegetation transect,
gave up at 7:30 when it got too cold & the
necessity of dinner was impending.
A cool, windy night. Saw one bat last
(Myotis?) struggling against the wind.

6 June 1980 Finished the vegetation transect
this morning, Margaret's "Belted Transect No. 5"
Then packed up and proceeded along Titus
Canyon Road. Stopped at Titus Canyon
to collect a Peromyscus, stopped at top
of "Red Pass" before road descends to Leadfield,
saw Black-chinned Sparrows there. Lunched
at Leadfield. Stopped at "Entering Titus Canyon"
To collect Neotoma and at Klare Spring

5 June 1980 Continued

Notes on animals caught:

#309 Peromyscus crinitus scattered large rocks, gravelly silty, artemesia

#311 P. crinitus talus, sage

P. maniculatus, released, rocky hill, artemesia

~~" " rocky hill, artemesia~~

" " gravelly-silty, artemesia

" " gravelly, meadowa

" " gravel-silt, Haplopappus

" " gravel-silt, Menodora

" " " "

" " " Artemesia

307. P. eremicus rocky, artemesia

310. " " " "

P. eremicus released gravel, Menodora

" " " talus, artemesia

" " " " "

312. Peroquathes formosus gravelly, artemesia

306. Dipodomys merriami gravel & silt, Eriogonum

" " released gravel & silt, Menodora

313. Dipodomys microps gravel & silt, Menodora

308. Ammospermophilus leucurus " " "

6 June 1980 cont. to look at Epipactes in bloom. At each stop I searched the surroundings with binoculars in the futile hope of seeing Bighorn. After emerging from Titus Canyon we proceeded to Scotty's Ranch where we flushed an Egret; Margaret collected plants while I poked around. Looks like there have been some gophers at work here. Spent the evening at Mesquite Springs campground, mostly relaxing.

7 June 1980. After checking weather station at 0 elevation, we proceeded to climb Corkscrew Peak, elev. 5804. On the way we stopped to inspect Hole-in-the-Rock Spring. Located in a rocky wash, the spring is a hole of less than 2 feet diameter in a large rock outcrop. It was mostly filled with wet sand which Margaret removed, increasing the amount of H_2O available. Coyote scats were highly visible around the spring and some sheep(?) scat nearby. We ascended the peak by following the crest of the ridge that goes almost due south from the peak, this was probably the easiest way to get up there. From the peak we were able to see the remains of an airplane that crashed killing six people a few days before. For some reason, incomprehensible to me, the Inyo Sheriff's Department went to an

7 June 1980 p.2. incredible amount of trouble to pack out the bodies. Among the notes in the register on the peak were the following: " 3-13-80 Dan Brown - Scotty's Castle DV. I saw 3 mule deer (not bighorns or burros) on the way up!" and " Nov 29, 1979. We saw 2 bighorns on the way up. D.S. Handsome SFCA" Surprising that both species should be there, in what looked to me like optimal sheep habitat. We left the truck at 9 am, returned to it at 6:30. a long day's hike. At intervals along our route we saw sheep (?) droppings and trails (which may have been of human origin). I stopped frequently to examine the terrain with binoculars, but saw no large animals. The ground was covered with dense low shrubs, mostly under 2 ft tall, and visibility was excellent; so if there were any large animals in the vicinity, I expect that I should have seen them. We descended the peak via a small, rugged canyon with outlet into "Tight-fit Canyon" in section 9. Unfortunately we were too fatigued to search for the springs that are supposed to be near here.

11 June 1980 – 12 June 1980.

Strozzi Ranch and Phinney Mine with Charles Douglas. Mostly to show him the area, learn to trap gophers and attempt for bats and rabbits. We camped at Strozzi Ranch, set 7 gopher sets, 1 along road heading E from the ranch, 6 along the wash and road in the canyon that begins at the stone overhang corral. Caught three Thomomys (314, 315, 316). Evening was very windy, there were no bats flying. In the morning we picked up the gopher traps, then tried some rabbit hunting, with no success CD says rabbits don't like windy conditions. We proceeded to Phinney Mine shaft, then up to the pass, keeping an eye out for Eutamias which we saw in several of the rock outcrops, and rabbits which we did not see. On the way out of the study area, approximately 3½ miles E of Phinney Mine at 5600 ft elev. CD shot a Sylvilagus (#316). Then we proceed homeward, seeing 4 horses along the road.

17 June 1980 Phinney Mine Shaft

Left Las Vegas at about 10:45 this morning, arrived here at 3:30 – a long slow drive, we think the road has deteriorated. Checked weather stations, then climbed the ridge above the mine shaft, exploring. Deer pellets fairly abundant, a few Neotoma nests amongst the rocks. Walked along ridge to rock outcrop about 1/4 mile from pass. There is a small cavern (mine shaft?) amongst the rocks, visible from the road. I examined this, finding evidence of Neotoma in two of the crevices in the ~~be~~ cavern. Packrat middens under development – come back in 20,000 years! Heard a Eutamias scolding my dogs, but could not see it. It was in the rocks above the cavern. Now I sit with loaded gun, waiting for bats. Saw 3 bats, a Pipistrelle and 2 ??, shot twice with 22 dust shot, missed both times. I have found a way to attract bats – a flourescent lantern which attracts insects, set on the tailgate of the truck, creates a small cloud of moths. Bats come in to feed on the moths. Theoretically, I shoot the bats. But it will take some practice before I can hit the bats! Sat up for one and one-half hours. Slightly windy and chilly – might have discouraged bats.

18 June 1980. Phinney Mine to Mt. Palmer

Left camp at 8 a.m. this morning to hike to the summit of Mt Palmer in search of unusual limestone-loving plants and whatever animals or signs thereof we might come upon. Reached the pass in about 20 min, a new record! From pass, climbed rocks on S side of pass, cut across talus fields, found the fault separating volcanic from limestone rocks, followed ridge through a meadow-like community of small Artemisia and blooming Castilleja. Discovered a tree (Pinon) that looked like it might have been used as a scratch post by Felis concolor — bark scraped away on one side to a height of about 5 feet, deep scrapes in wood. Photographed this. Found well over a dozen small diarrheaic dung pats, blackish in color, under 10 cm in diameter, round. The one we picked apart contained a piece of a lizard tail, some small mammal hair, some insect fragments, some juniper berries (?) and pinon nuts. My thoughts are that the deporitor of these treasures was a Gray Fox. Also we saw some coyote scats and a considerable amount of artiodactyl (probably deer) scat along the trails we followed. There are many trails — in the denser P-J on the volcanic terrain I suspect that the makers of the trails were mule deer. On the limestone, the

Saw a young Blacktail Jackrabbit at about 7500 Ft! also a chipmunk.

18 June 1980 p2

trails tend to be wider, with more little side trails, and ~~a~~ fewer or no pellet groups. Possibly these are sheep trails? Or maybe Horse sap? The country around Mt. Palmer looks like what I think of as good sheep country – very rugged, precipitous, lots of crevices and crannies. Generally well vegetated with sagebrush, smaller, more scattered pinions. Numerous large junipers – I think that relative inaccessibility might have saved them from loggers; Margaret thinks that it is because of different growth conditions.
I scanned much of the surrounding terrain with binoculars in the hope of seeing some sheep, but saw none. Birds seen on this trip include: Red-tailed Hawk, Scrub Jay, Clark's Nutcracker, Mountain Chickadee, Empidonax, Brown-headed Cowbird, Rufous-sided Towhee, Mountain Bluebird, Black-throated Gray Warbler, Junco, Raven, Common Bushtit
We did not reach the summit of Mt. Palmer, but stopped a few hundred feet N of it on a sort of sub-summit. The summit itself might have been accessible if we had had more energy, time, and desire, but it would have been difficult. We arrived at our sub-summit at approx. 4 pm, sat and enjoyed the view and looked for sheep for about ½ hr, then started back along

Route up Mt Palmer, 18 June, 1980
0800 — 2100 Hrs.

Grapevine Peak
VABM Grape
8738

Von Schmidt

Spring

Shaft

Pinnacle

Lion Tree?

Lunch

Sheep? Trails

Mt Palmer

GRAPE

TH

DEA

Canyon

Canyon

Red

VABM Scrugs
2652

INYO CO

ESMERALDA CO

NYE CO

Fall,

more or less the same trail, arriving in camp, exhausted, at 9 p.m. Our dogs were more tired than we, with very sore feet - it was not a good walk to do in one's bare feet.

19 June 1980 Phinney Mine area, to the pass.

Carried traps up to the pass, making sets in the rock outcrops along the road in the hope of getting some Eutamias and Peromyscus crinitus. Set 10 stations, one Sherman, one Museum Special per station, baited with oats coated with peanut butter and bacon grease, in an attempt to saturate the outcrops, in the rock outcrops on both sides of the short spur road (where the main road levels out a bit). 10 stations/outcrop. The second outcrop has the "cave" I examined on 17 June. Set 4 gopher sets in the flat between outcrops. Also set 10 stations in rock outcrop on S side of pass and 6 on N side. While setting traps on S side, we heard some Rock Wrens loudly scolding. We stopped to listen and watch. A Grey Fox, the object of the scolding, walked into view, stopped in a small clearing about 10 meters from us, looked at us for several seconds, then continued on its way about 15-20 meters, stopped and looked again, then proceeded in

no great hurry to disappear among the rocks, the rock wrens still scolding, and joined in their scolding by a chipmunk. ~~We~~ This was at 1300 hours - "broad daylight." We returned to camp, lunch and a nap. Our poor, tired dogs had remained in the truck all morning. In the afternoon, around 1700 hours, I check the traps, none of which had caught anything. Then we did some vegetation transects, ~~while sitting on the~~ in the flat between rock outcrops #1 and #2. While sitting on the ground recording Margaret's data, I noticed a piece of obsidian. Further search revealed more than 20 pieces, all of which showed some signs of having been worked, also a worked piece of chert, and some very old charcoal - the remains of an ancient campfire? We have never seen obsidian in our range before. We collected a small number of pieces and the chert. Many deer trails with much scat in this vicinity. Also a few elk cans. Could there have been a spring nearby? We finished the transect as it was growing dark and cold.

20 June 1980

Phinney Mine area.

Picked up traps this morning and on into early afternoon, having left them in place for approx 20 hrs. Results:

Pass: Rock outcrop on S. side. 20 traps, 4 animals 4/20

Peromyscus maniculatus 3, 2 released, 1 dead in snaptrap

P. truei 1, released - young, in molt

Pass: rock outcrop on N side: 6 traps, 3 animals 3/6

P. maniculatus 1 released

P. truei - 2 released, 1 adult, 1 young in molt

Cave rock outcrop 20 traps, 5 animals 5/20

P. maniculatus 4 2 released, 2 snap

Eutamias panamintinus still alive, pinned in a snap trap. Brought back to lab alive. (#318)

First rock outcrop 20 traps 2 animals 2/20

P. maniculatus 1 snap

P. truei 1 - released

Gopher sets - 0/4

Total (other than Gophers) 66 traps 14 animals : 21% success

P. maniculatus	9	64.3 %
P. truei	4	28.5 %
Eutamias	1	7.1 %

Why no P. crinitus or P. arcticus? and so few Eutamias in what appears to be optimum habitat?

Finished the afternoon with vegetation transects, packed up and came home. No specimens except Eutamias saved. Those Peromyscus killed in snap traps were too putrid. Saw no rabbits (Sylvilagus) this trip.

4 July 1980. Strozzi Ranch Rd. 3½ mi NE of Strozzi Ranch 5100 ft. Sagebrush. Rolling ridges and shallow valleys. Sandy-gravelly soil. Approx ½ mi E of the road that connects this road to the Pinney Canyon Rd. Margaret did vegetation transects here (Nos:)

Arrived about 4 PM. Set 40 Sherman traps baited with oats coated with peanut butter and bacon fat in 20 stations, 20 meters apart, in a line beginning 20 meters SE of road and extending southeasterly 400 meters across ridges and washes. Also set same number, types, arrangement in a line going down the first major wash, intersecting the first line. Also set 5 Gopher sets, in wash area. Heard Coyotes singing from about ¼ mi SE of road. Camped at USGS Seismologic Station. Heard Coyotes at night. Saw one rather large bat at campsite. Much evidence of cattle in area, saw several cows grazing nearby. Saw some deer scat.

5 July 1980. Last night's traps caught:

Cross ridge line: 0/40

Down wash line: 1 Neotoma (#320)/40

Total 1/80 = 1.25% success The worst ever.

Gopher traps: 1/5 1-Thomomys (#319)

Left traps set another night, changed bait to just oats on the cross ridge line, to see if bait was the problem.

5 July 1980 continued. p2.

Proceeded along road to a point 1.5 mi NE of Strozzi Ranch that appears to be ecotonal between sagebrush and Pinyon-Juniper. Some scattered Pinyons and junipers, but mostly sagebrush. Margaret did vegetation transects here (#).

Set 40 traps, Sherman's baited with oats, across washes and ridges, beginning at a large juniper 1/2 way up ridge N of road, going down, across wash, up a small ridge, down into next canyon, then up a very brushy canyon. Set traps in pairs, 20 meters apart. Set another line of 40 traps, same bait and arrangement, going down the wash. Set another line of 18 traps along ridge, beginning at start of first line and continuing across taking topos to a rock outcrop [redacted]. Saw some Thomomys sign in valley but did not set traps. Saw deer sign, cow sign. No large animals seen. Set up a line of six trout flies dangling from nylon leader drawn between poles set across wash in the ♯ hope of catching bats. One bat, a large one that appeared to be the same kind I saw last night, checked out this set up twice but did not bite.

Total 98 traps set here

6 July 1980. Strozzi Ranch Road

3½ mi NE of Strozzi Ranch Last night's traps had somewhat better success than previously.

Cross ridge line: 2/40 1- Dipodomys merriami (#322)

1- Peromyscus maniculatus (#321)

Wash line: 2/39: 1- Perognathus parvus (#323)

1- Onychomys torridus (#324).

Total 4/79: 5% trap success. Picked up these traps at 9am.

1½ mi NE of Strozzi Ranch Last night's traps caught:

Cross ridge line: 2/40: 1- Peromyscus maniculatus (#325)

1- Peromyscus truei (#326) both at same station in brushy canyon.

Along ridge line: 0/18

Wash line: 1/40 Peromyscus maniculatus, released

Total catch: 3/98: 3% trap success.

Left these traps in place for another night, but set 4 more to make total trap nights for this area be 200. Spent the afternoon putting up specimens.

7 July 1980. Strozzi Ranch Rd 1½ mi NE of Strozzi Ranch

Last night's traps caught:

Cross ridge line 2/40: 2- Peromyscus maniculatus, released

Along ridge line 1/22: Peromyscus crinitus (#327)

Valley line 3/40: 1- Perognathus (#328);

1- Perognathus (#329); 1- Onychomys (#330)

Total: 6/102 = 5.8%

Picked up traps and headed for home.

4-7 July 1980 Strozzi Ranch Rd General comments.

Biting flies (no-see-ums) thick in sagebrush area, much less so in P-J ecotonal area.

Birds in ecotonal area were mostly those associated with P-J or wide ranging:

Raven
Chuckar
Blue-gray gnatcatcher
Black-headed Grosbeak
Pinyon Jay
Common Bushtit
Rufous-sided Towhee
Black-throated sparrow
Violet-green Swallow
Brewer's Sparrow heard?

Birds in sagebrush area were: Black-throated Sparrow, Poorwill, ? Hummingbird (?)

This was the worst trip for trap success I've ever had. Out of a total of 358 trap nights only 14 animals were caught, for a total of 3.9% trap success. I tried leaving traps in place 2 nights running, had better success on 2nd night. Tried different bait on 2 lines, with equal success. Because I am involved in another project concerned with bubonic plague, I suspect that a plague has struck the small mammal population in this area. No way to know for sure. Moon was waning half. Weather was "good".

Castle

28 July 1980. Scotty's Ranch. Collected 2 bats
Antrozous pallidus ♂ 33½ and 33½.
from rafters of stables. Emerged not long
before dusk, overcast. Also set ~~2~~ 5 pitfall
traps each placed under known bat
activity corridors, in stables, shed,
and ~~among~~ chips in small "mine"
at Emigrant Canyon entrance.
Caught 2 Dipodomys merriami (♂ 33 + released)
2 Neotoma lepida (♂ 33½ + released)
1 Perognathus formosus (♂ 33½)
~~20~~ 10 pitfall traps 5/10

29 July 1980. Picked up the above traps, went to Scotty's Ranch and put up the specimens while Margaret looked for plants. Went to Scotty's Castle to speak with Joanne Unruh about getting into Ranger Station to consult Spring book. She let us in, then suggested we use the Xerox at the castle to copy needed pages, which we did, gladly. Spent some time yapping with her and Rick Hibbard, a seasonal ranger. Rick is interested in preserving Scotty's Ranch. Wants info on what we found there & wants to put in pit traps. I am to consult C Bradley about pit traps. Proceeded to Chimeguine where I made abortive attempts at shooting bats and getting the time-lapse movie cameras ready to go for next day.

30 July 1980. Titus Canyon.
Left the cool pines of Phinney Mine to head for the sweltering depths of Titus Canyon to put time lapse movie cameras at springs. Put one camera at Fern Spring #200 and another at rock pools about 50 Ft up canyon. Both springs showed evidence of Big horn activity. Put a camera at Lothrop Spring #199 which had no obvious water but had sheep trails. Hiked back to truck and collapsed. Hot weather, dog like.

31 July 1980. Leadfield and Titus Canyon
Checked spring 201 which has some vegetation and a 1 Ft x 2 Ft patch of slightly damp earth under a boulder overhang. Checked mine tunnels near road SE of Leadfield (½ mi SE of Leadfield, 4400 Ft) for bats, found 4 Myotis sp. hanging singly in tiny crevices in tunnels (#336, 337, 338, 339) also saw a larger bat with larger ears but it got away. Only one of the tunnels had more than one bat. Hiked in search of spring 2088 but took a wrong turn and did not go up Titus Canyon, rather we went up the canyon that comes into Titus from the NW. Heavy hiking in hot weather. Gave up when we discovered what we had done.

31 July 1980 continued. Headed for Klar Spring #205. Saw 4 Bighorn Sheep 2 ewes 2 yearlings (?) lambs .9 mile east of Spring. They watched us for about 10 minutes, as we watched them, then scurried in no great hurry out of site. One of the ewes gave us a great show of what a Bighorn can do on rough ground, jumping from rock to rock, short runs on precipitous slopes, etc. Also saw a lone Ram Bighorn, 1/2 curl, .5 mile from Spring, he was in a big hurry to get away from us. Set up two cameras at Klar Spring. Then we headed for home.

6 August 1980 Titano Canyon

Hiked down to Lostman Spring (#199) and Fern Springs to pick up cameras.

#200 Fern Spring is a pool approx. 2 Ft x 3 Ft x 8 inches deep under a rock overhang on the N side of a small canyon. Around the pool is dense growth of vegetation, grasses, ferns, Epipactis and a small "maidenhair" fern Adiantum capillus-veneris. 5 deep trails lead up to the pool - evidently sheep drink here with some regularity. About 50 to 100 feet up canyon from this pool there are a series of two small rock pools, the largest approximately 2 feet by 1.5 feet, filled by a slow trickle that comes from a seep. These, too, seem to be used by Bighorn. I put two cameras to watch over these water sources. One (camera number 6) watching the Fern Spring (proper) pool, the other watching the rock pools (camera #5). Put these cameras in on 30 July, picked them up today

#199 Lostman Spring ~~has~~ is a dense patch of vegetation, including cottonwood trees, on the E side of Titano Canyon. Above it are steep rocky canyon walls, while immediately around it are rather rugged talus slopes, rocks about 6" to 1 Ft across. Large animal trails penetrate the thicket. Grass matted down indicates large animals lie down in the cool shade. Under a fallen log is a small puddle

6 August 1980 Titus Canyon, continued p.2.
of muddy, mucky water about 8 inches in diameter. Trails leading to it indicate that large animals come to it. Whether or not they drink, I don't know. I cleaned out some of the muck, enlarging the amount of available water. A hand trowel would have helped. If someone were to trowel out most of the muck once a year, it might improve conditions for wildlife. But trowling must be done in such a way that some potential habitat is left for snails, in case there are any here. I put camera number 1 here on 30 July. The camera framed the whole spring area and a small amount of the talus slope around it, plus some of the cliffs behind and the approach from the wash below. Perhaps it would have been better to put the camera right near the water, but I didn't know it was there until today. Hiked back to the truck, the last mile by flashlight. Darkness certainly changes one's perspective!

7 August 1980 Leadfield and Titus Canyon

Discovered Upper Leadfield Spring #.202A, which is on a hill E of Leadfield Road approx. .5 miles E of Leadfield; there is a convenient turnout on the road opposite the mine tunnel that is the closest to Leadfield of the group of 3 tunnels indicated

p 3 this expedition

7 August 1980 Leadfield and Titus Canyon continued p 2

on the topo map. From this turnout, one can see several patches of "Pluraquites" and other phreatophytes on the E side of the canyon wall, about half way up the canyon. One patch has a rather conspicuous tamarix – we did not check this patch, but should. (did - 22 Aug) In the small draw below the hillside patches are two more patches of this growth. Between them are a couple of small puddles, at which there was some sheep sign. I put a camera on top of a large rock S of the puddles, overlooking them. We then proceeded to Titus Canyon, and using map and compass located Spring 208B - Epipactis Spring. We probably could have found it just by following the sheep trails. The land for about ½ mile around this spring is noticably impacted by sheep – if they were domesticated sheep or cows, we might call the land somewhat over-grazed, or at least over-impacted by hooves. About ¼ mile below spring, found a pair of weathered ram horns, & little more ½ coil. About 100 yards below spring, found what I take to be the foot of a bighorn hoof, which I collected. The spring area is on the N side of a narrow canyon, with large cliffs to the E and S. Very rocky terrain, some immense boulders and measurable smaller rocks. There is a dense patch of

NO H_2O at other patches

7 Aug 1980 Titus Canyon, p 2 (page 4 of this expedition)

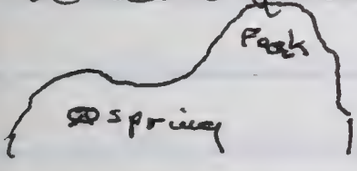
willows, surrounded by thin small rushes.
On the W side of the willows a trail led into a cool, shady bedding area, trampled rushes with damp earth, two distinguishable bed contiguous areas, the largest about 6 ft by 10 ft the smaller about 5 x 5. Some sheep droppings were present in the smaller area. Also on the W side of willows, about 6 feet outside, was a place where the rushes had been trampled down and a small pool of water, about 1 Ft diameter was visible. This was at the top of the circle of dense vegetation. There were several trails leading in all directions from this pool. Along the largest trail leading straight down the hill were 3 or 4 other places where the rushes had been trampled down and very small pools were present. Water audibly ran down the slope under this trail, but disappeared by the time it hit the wash. Set a camera focused on the upper pool, but including some of the trails all around, especially the one going down to wash. Returned to truck, hoping to see some sheep, but no luck. Picked up cameras at Klar Spring #205, where I put two cameras on 31 ~~August~~ July (camera #7 on lower puddle, "Stubbs" on upper) Upper puddle had dried up. Saw no sheep en route through Titus Canyon. Stayed at Furnace Creek tonight.

8 August 1980 (page 5 of this expedition)

Spent today at Furnace Creek, alternating between relaxing in air conditioned comfort in Trailer #25 and writing in the sun, helping Margaret do a study of physiology of Tidestromia.

9 August 1980 Corkscrew Spring

Left Furnace Creek early this morning, parked at Corkscrew Peak sign on Mus Canyon Rd. After about 1.5 miles hours of steady upgrade, up the wash, arrived at a series of small dry falls below Corkscrew Spring, then hiked the last couple of hundred yards, with some difficulty, to the Spring.



about 2/3 of the way up the small peak S of and contiguous with Corkscrew Peak there is a green spot, visible from the highway. Steep, slippery scree surrounds it, many large rock outcrops & small cliffs. The vegetation around the Spring is Distichlis on the outskirts, Solidago approx 4-6 feet tall in a dense clump about 20 feet in diameter. In the center of the Solidago is a pool, approx 3 feet in diameter and 6 inches deep. Sheep trails approach the pool from two sides. The pool is formed in an area of Solidago that has been trampled down. Other sheep trails are above and below the pool. There was a very small amount of feces along one of the trails only.

9 August 1980 Corkscrew Spring cont. p 6 of this expedition

This spring does not appear to be heavily used by sheep at this time, although record indicate that use has been heavy, and vegetation different, in the past. I attempted to set up a camera about 3-400 yards below the spring, but was frustrated by a broken connection in the photo cell. Left the camera there, took photocell home for repair.

On the return trip, checked out Fir Spring (#193) which has dense growth of Phragmites, some willows and other vegetation, but no water that we could find. There are a couple of little-used trails around this spring. I believe it is not worth putting in a camera.

Then we proceeded to Hole-in-the-Rock and New-Hole-in-the-Rock springs. New-Hole-in-the-Rock is dry. Hole-in-the-Rock is a hole about 18 inches in diameter in the floor of a rock wash. It is full of water, gravel, algae. No sheep sign, some old coyote sign. Set a camera here, just in case. Then proceeded to Daylight Spring which is dry. Then went home.

21 August 1980 (Thursday) Death Valley, Grapevine Mtns
Owl Spring (#197A) Bullfrog Quadrangle

Hiked to spring from Titus Canyon Rd. Map distance about 2.5 miles - it took me about 2 hours to get there. Parked approximately 8½ miles from pavement, headed S between two peaks. En route: gopher sign, sheep sign, especially abundant in Owl Spring Canyon just South of the saddle between the two peaks, also around the saddle, but getting scarce as I got closer to the spring. No sheep sign at all at the spring area. There were 2 sets of off-road vehicle tracks between Titus Canyon Rd and the saddle. I was thinking nasty thoughts about poachers. There were a couple of several well-worn trails, matted grasses, displaced rocks etc. that I would look for sheep trails. But when I finally got to the spring, the truth became apparent. The remains of a Cessna aircraft were strewn all around the N end of the spring area, the fuselage turned upside down on a hill just above one of the largest pools of H_2O. The Parts of the plane made eerie noises in the wind. It left me with a very strange, creepy feeling to know that six people had died here a few months ago. The tracks

Wrigley
1980

21 August 1980 continued The trails and vehicle tracks were left by the Inyo Co. sheriff's posse when they retrieved the bodies. Perhaps the presence of the wreck, and the noise it makes, scares sheep away from this spring. There was no sign of sheep, yet the area looked nearly ideal. The spring is actually a series of 7-10 pools, the largest now about 6 ft across and 1.5 feet deep, in a rocky canyon, surrounded by steep, rugged rocky cliffs with small side canyons. There is much grass (Muhlenbergia sp?), patches of cattails, willows (?) not good willow trees but saplings that may not be willows at all - they have milky juice. A mid-sized rush - I collected these for Margaret. None of the lush vegetation has been grazed or browsed. The was an abundant small bush, looked like a Chrysothamnus also 1 small tamarack down stream from the spring in a dry wash, ½ way between lowest pool and steep rocky falls that terminated my explorations. Only birds I saw at the spring were 2 says phoebes. I wonder where the sheep are watering?
Camped at turnout 11 mi from highway.
Heard coyotes at night.

22 August 22 August Willow Spring, Upper Leadfield Spring, Epipactis Spring, Klare Spring. Grapevine Mtns. Death Valley N.M.

Camped at 5200 ft. Turnout on Titus Canyon Rd last night. Hiked to Willow Spring #198 beginning at 0800. SE from wide bend in road, across a ridge, down a wash with one very green mesquite. A Golden Eagle, immature, flew over head, Gambel's Quail calling. Bighorn Sheep tracks, very fresh in wash. Coyote trail, fresh tracks, parallel wash. Ammospermophiles seen, never Thomomys sign. Diggings of Badger (?). Flushed 50± Gambels Quail in wash. Arrived at Spring 0900. Saw ♀ Hooded Oriole, many Chukar, 20± House Finches. Old sow pies. At the spring: there is one large willow or intertwined clump of swallows, 20-30 feet in diameter, surrounded by "wet" vegetation - grasses, sedges, rushes, a purple-flowered legume like clover or ~~alfa~~ alfalfa. Considerable browsing of vegetation, many trails, trampled vegetation, water oozing out under trampled areas, looks like bedding areas under willow. No feces visible on trails possibly it got lost in the dense vegetation. There are sheep trails, tracks and scat, around the fringes of the spring area. There are two open areas, where vegetation has been mostly trampled and/or eaten away, revealing puddles, each about 2-3 feet in diameter and ½ inch deep, where animals evidently drink frequently. Set up camera on ridge just west of spring to record activity. Saw 2 cottontails, considerable COYOTE scat at spring. Proceeded across talus slopes ~½ mile to spring #196 Bullfrog Spring, which is densely overgrown with willows. The only water I could find was a pool about

22 August

22 August continued — one foot in diameter in the center of the willow clump. This was very difficult to get to, through dense branches, but there were some animal (sheep?) trails leading to it, at least close to it but I think they might not have been able to reach the water. Puddle was about 5 inches deep, full of willow leaves, which I cleaned out. This spring looks like a prime candidate for some judicious vegetation management. Many Gambels Quail, Chukars, House Finches, 1 Loggerhead Shrike; Black-throated Sparrows en route. There are several "sheep" trails, but only old scat. Returning to truck by a slightly different route, saw more Bighorn sign, scat and tracks. Upper Leadfield Spring #202A. This spring is a complex, divided into two separate drainages about 100-200 Ft apart on steep, loose dirt hillside. I checked the N part today, having checked the S part and installed a camera on a previous (7 Aug) trip. The N part is marked by a couple of Tamarix. Water visible was in two places, only a trickle over rocks, small (less than 1 foot) puddles only 1-2 cm deep, full of algae, (one puddle was 3 x 1 Ft x 3mm deep) no sheep sign. While retreiving the camera from the S part of the complex, I saw a Bighorn ram 1/2-3/4 curl on rock pinacle SE of spring - it stood still and watched me for a minute or two, turned away, then came back and watched me some more, while I left the area. Checked one mine tunnel for bats, but found none. Drove to intersection with Titus Canyon, hiked up to Epipactis spring (208B) to pick up camera placed there 7 Aug. Saw much sheep sign, but little else except numerous Calliscirus. Camped at Petroglyphs sign

22 Aug 22 Aug continued — saw Pipistrelles ~~two~~ flying at 6:30 p.m. tried shooting twice, but aim was off and noise was deafening. Set bat net across puddle at Klare Spring — flat across puddle, just an inch above H_2O. 2-3 Dozen flying around spring. Caught 6 Pipistrelles hesperus: 1930 hrs, 2000 hrs, 2045, 2150, 2215, 2250 — released 2, kept 4. Retired at 2300 — tired.

23 Aug 23 Aug Klare Spring, Corkscrew Spring. Watched Rock Wrens White-throated Swifts, Say's Phoebe as I ate breakfast. Left camp at 0800, drove to "Corkscrew Peak" sign on Daylight Pass road, hiked to Corkscrew ~~Pe~~ Spring up the wash — several Kit fox holes (?) in wash. Set up camera, then returned to truck, stopping to look unsuccessfully for spring 192. Left for home at 1400.

6-7 September Pleasant Canyon Rd, Pass; Lead field-Titus Canyon with Bob Winokur, primarily to show him my study area. Saw 7 young Auriculopsupleites along Primary road & between Monument boundary and P-J ecotone. Much mule deer sign at Doe Spring #234 where I set up a camera, but forgot to bring the film. Found remains of a young deer, just bones, and skull of a 4 point buck at spring. We saw no deer, but we were very noisy. Windy and rainy at night, or early in morning. Bats flew over truck, but we were unsuccessful netting them. 7 Sept. Picked up camera at Willow Spring. Saw a Kestrel in mixed shrub; a Cooper's Hawk chasing House Finches; also many Chukar and Gambel's Quail at Spring. Trails around spring seem more extensive. Some animal has been devouring Souchus — stripping it of leaves

7 Sept — continued – and knocking down the stems. I do not know whether it was sheep, deer, cattle, horses ~~of~~ or?? We continued on toward Klar Spring. One-half mile E of the Spring we saw a Bighorn lamb running along the bench S of the road. At the bottom of the bench, in the wash, lay a dead EWE. Approx 5 yrs old. Described in Species Account. Set up a camera close to the spring, then continued home. Saw a Spotted Sandpiper in narrows of canyon.

13 Sept — Phinney Mine Shaft 6800ft – Doe Spring

Arrived at campsite around 1500 hrs. Flushed 3 mule deer from canyon bottom near camp. They ran half way up the hill W of camp, stopped and watched us for a while, then continued over ridge. The only one we got a good look at was rather small, perhaps a this-year's fawn without spots; the other two were larger. Hiked to Doe Spring. Flushed a mule deer at pass, but didn't see it. Much deer sign in vicinity of spring. More than I remember last year. Also old cow pies. Put time-lapse camera in tree over spring.

14 Sept — Grapevine Peak

Hiked with heavy packs to a saddle about 8000ft, 1 mi SE of peak, then hiked with day pack and trap pack to peak. Saw a young Petrosaurus mearnsi plicatus peeping loudly scrambling over bushes and rocks – lost its mother. Eyes just open, very lightly furred, on ridge above closed section of road. Much deer, cow, horse sign along route.

14 Sept | Grapevine Pk continued

More DEER sign than I remember last year. It looks like the deer population is booming. Cow and horse sign was very old, mostly, although there was some from this year. Saw a Chipmunk at camp, also in the first limber pine at 8200 ft. on peak. Several (3-4) chipmunks heard while I set traps. Set 30 snap traps, baited with 1600-1700 hrs oats coated with peanut butter and bacon fat, through a wooded patch of pinyons, limber pines, junipers, across a talus slope with small islands of vegetation - limber pines and Ribes. Returned to camp, an immature white-crowned Sparrow came within one meter of us while we were eating dinner. It was scratching for food. Was present next morning and afternoon.

15 Sept | Grapevine Peak and return to Phinney campsite

Checked traps at 1000 hrs. Caught 4 Peromyscus maniculatus (#344-347). One trap was missing. One had been sprung and there was a spot of blood on it. Put up two skins, got data on other two. Saw and heard chipmunks but caught none. Picked up traps at 1200. Walked to top of peak. Saw Rabbit (Sylvilagus) droppings here. Helped Margaret do point-quarters on trees. Then headed back to camp. Amazing amount of deer scat, and trails enroute, but saw no deer.

end of this page

Kingsley
1980

16-
17 Sept

5 mi E and 1 mi N Grapevine Peak 5500 FT.

This is approximately one of the locations cited by E R Hall in Mammals of Nevada. Harvey I. Fisher on 2 June 1940 trapped Notiosorex crawfordi here. He (evidently) also collected Sylvilagus auduboni, Perognathus parvus, P. formosus, Dipodomys microps, Onychomys torridus, Peromyscus crinitus, P. maniculatus, P. truei, and Neotoma lepida here. The area is sagebrush community, with pinyons visible on highest hills surrounding and in valley about ¼-½ mile west and 100-200 feet higher. Sagebrush, (Artemisia tridentata) is dominant on the ridges and valley here. A valley about 200 yds wide is between two ridges of about 40 ft elevation above valley. Ridge on S side of valley is very rocky, several rock outcrops and small talus slopes. Other vegetation that was conspicuous included: Ephedra (viridis?) in patches, especially on rocky ridge. Mentzelia spinosissima, Chrysothamnus nauseosus. Weather was partly cloudy, light breeze, comfortably warm. A ½ moon set around 9 pm. I set 100 traps Sherman, oats-peanut butter-bacon grease bait in 3 lines. Forty traps in line on rocky ridge on S side of valley beginning at outcrop nearest road. 40 in valley, 20 in sand-gravel wash. Area has been impacted by cattle - a couple of Pursliq in wash have been severely pruned by them. Many cow pies, old and new, fresh tracks. Set traps by 1800 hrs.

Kingsley 1980

17 Sept | 5 mi E and 1 mi N Grapevine Peak, continued.

Picked up traps at 1140-1230 hrs. Sunny and warm (80° F). Ridge line: #348 Perognathus parvus #349 Peromyscus maniculatus. A Neotoma tail skin caught in trap, but no Neotoma. #350 Ammospermophilus leucurus #351 Peromyscus crinitus #352 Peromyscus crinitus #353 Peromyscus crinitus Valley line: #354 Ammospermophilus #355 Perognathus parvus #356 Perognathus parvus #357 P. parvus #358 Onychomys torridus on Ammospermophilus released, #359 Perognathus #360 Dipodomys microps Wash line: 0-Nada, nothing! Total: 14/100

Peromyscus maniculatus	
Peromyscus crinitus	3
Neotoma lepida	1* tail only
Perognathus parvus	4
Onychomys torridus	1
Dipodomys microps	1
Ammospermophilus leucurus	3

Also, saw coyote (?) scat and diggings in valley.

22 Sept | 3½ Mi E and 1 mi N Grapevine Peak 5800 Ft

Ecotonal: Sagebrush-Pinyon-juniper

Pinyons are beginning to appear in the Valley and are rather common on the northwest facing slope above the valley, but absent on the southeast facing slope. The valley is about 100 meters wide, with Pleasant Canyon Road running along the northwest side of it. On the southeast side is a slope ascending 240 feet according to contour

Wagstaff
1980

22 Sept | continued 2½ mi E Lucin Grapevine Pk 5800 ft.

on the topo map. This slope has several rock outcrops and small rocky canyons. Vegetation is Artemesia, Pinyon, and juniper, (some of these rather large), Menodora, Ephedra and other less common shrubs. The opposite slope has no pinyons or junipers, just shrubs. Purshia is common in the drainages on both slopes and there is a stand of it in the valley. There is much evidence of cattle, some of DEER. Did not notice gopher sign; there were a few Neotoma nests among the rocks and canyons. Weather was warm (70-80 F) and serene, occasional light breeze. A full or near-full moon tonight. Set 100 traps 60 Sherman and 40 Museum Specials, on 3 lines, ~~spaced approx 20 meters~~ Traps paired, on the two long lines Museum special and Sherman, on the short line both Shermans. Two long lines began on treeless slope, crossed valley, went up treed slope almost to top of ridge. Stations 20 meters apart, bait oats coated with peanut butter and bacon grease. Trap lines were approx 30 metres apart; parallel; 40 traps each line. Short line, 20 traps, set in valley along Margaret's vegetation transect line for 100 meters, then continuing eastward

22 Sept continued 3½ mi E. and 1 mi N Grapevine Peak 5800ft.

for another 100 meters. Ravens, Pinyon Jays, Rufous-sided Towhee were the only birds seen. No mammals seen. Traps set 1500-1700 hrs.

~~23 Sept same location — Trap success.~~

Margaret saw a "bouny rabbit" in valley. We attempted to net bats at Phinney Spring from 1900-2030. Saw one bat twice or two bats. This spring shows much evidence of cattle in contrast to last year when there was none. There is little grass, much trampling, and cowpies. Also DEER sign.

23 Sept same location as 22 Sept.

Picked up traps between 0830-1000, Trap success = 0 Nothing - nada - a complete bust. A surprise. I would like to come back in two weeks when there is no moon to see if that makes a difference. Right now, based on these results and those of 5 July 1980, it appears that the P-J-Artemesia ecotone has very few mammals in it, which is not what I would expect.

23 Sept Phinney Mine shafts

Explored both shafts looking for bats. Saw 12 Pleeotis in W shaft, 4 in E. collected one from W shaft, am attempting to keep it alive under refrigeration to bring home to Mike O'Farrell. Also collected a Mourning Cloak butterfly that was hanging upside down in E shaft.

ingsley
980

23 Sept | Phinney Mine - Strozzi Ranch - Titus Canyon Road (3800 Ft)

After lunch (1345) loaded for Strozzi Ranch to gather apples. Much cow sign en route, most obviously Portulca and Atriplex canescens severely pruned and cowpies. Much cow and deer sign at Strozzi Ranch around the drinker and stream. No apples this year, no sign of any having been produced. Saw only 2 cows inside Monument on way out from ranch. Drove thru Beatty, got gas, and headed out Titus Canyon - Lead field road to a point approx 2 miles W of monument boundary. This is Larrea desert, 3800 Ft elevation, Vegetation consists of Larrea, Ambrosia dumosa, Menodora, Lycium, Grayia etc. Flat, no good washes near road, but some small drainages and low rocky ridges, 1-2 feet high, running E-W that look like old walls, but probably are not. Full moon tonight. Breezy, comfortably warm (80+ F) in day, cooling considerably (50's) at night. Clear. Saw a ♂ tarantula and a stink beetle as I was setting traps. Set 100 traps in 3 lines. Line #1 South from road 40 Sherman traps 2 per station, 20 meters between stations. Line 2 North from road, 20 stations, a Sherman and a Museum special at each, 20 meters apart. Line 3 between 2 and 5 meters off road on S side, parallel to road, 20 Shermans, 2 per station.

24 Sept | same location as above, then 2 miles

Picked up traps by 1000 hrs. Trap results next page

Kingsley
1980

Journal

24 Sept continued (Titus Can. Rd. 2 mi W of Mon. Bndry 3800Ft)

Road Line - 20 Shermans.

Dipodomys merriami	2
D. microps	1
Peromyscus crinitus	1
Total	4/20 = 20%

South Line - 40 shermans

D. merriami	9
D. microps	0
Perognathus longimembris	1
P. formosus	2
Peromyscus crinitus	1
Total	13/40 = 32.5 %

North Line 20 shermans, 20 Museum Specials

D. merriami	6
D. microps	6
P. formosus	4
Total	10/40 = 25%

Totals

D. merriami	17
D. microps	1
P. longimembris	1
P. formosus	6
Peromyscus	2
	27/100

Put up specimens of each species (362-369)
Moved 2 miles W to location of 10 Mar 1979.
This is a mixed shrub habitat. Larrea is present as an aspect plant, but is actually rather rare. Grayia and Munodora are

Wrigley 1980

Journal

24 Sept 4 miles W of Monument Boundary on Titus Canyon Rd. (continued) 4200 FT.

this most always adjacent shrubs, with large numbers of Ephedra, Happlopappus, Eriogonum fasciculatum, Lycium. Very dense shrub land. To the south of the road about 50-100 meters is a rather large wash, with sand and gravel bottom. Most of the plants in the wash are the same as on the ridge, but appear larger and denser. Some specific wash plants are: Atriplex Encelia, Gutierrezia canescens, Hymenoclea, Salazaria

Weather warm (90's) sunny, cloudless, a light breeze and occasional gusts (twisters). Cow and horse droppings, mostly old, are present. No obvious gopher sign. Soil is heavy gravel, some rocks, some sand between stones. Set 120 traps in 3 lines, all Sherman, bait Oats, (peanut butter, bacon fat coated on first ridge line); 2 traps/station, stations 20 meters apart. 40 t/line 2 parallel lines, N of and parallel to road. First is 20 meters from road, second is 25-30 meters north of first. Third is in wash, following closely the north bank of major channel. Saw 2 bats (Eptesicus?) flying over head at dusk.

25 Sept same location as above

Awakened at 6:30. At about 6:35 heard a burro braying, probably 1/4-1/2 mile away, SE of our campsite. Indicates that burros are coming into our study area.

mgsley
1980

Journal

continued.

25 Sept 4 Miles W of Monument Boundary on Titus Canyon Road 4200ft

Last night traps caught:

Wash Line, 40 shermans picked up by 0830.

Peromyscus formosus	2
Dipodomys merriami	3
Dipodomys microps	2
Peromyscus [illegible]?	1

8/40 = 20%

Line 2 – pavement, mixed shrub, 40 shermans 0915

Dipodomys merriami	5
D. microps	1
Peromyscus maniculatus	1

7/40 = 17.5%

Line 1 – pavement, mixed shrub, 40 shermans, 1015

D. merriami	5
D. microps	0
P. maniculatus	1
P. [illegible]	4

10/40 = 25%

Total 25/120 = 20.8%

Since I have trapped this locality before, I thought it might be useful to combine trap results.

	n	% of total
Perognathus formosus	2	5.7
Dipodomys merriami	15	42.9
D. microps.	5	14.3
Peromyscus maniculatus	7	20.0
P. [illegible]	5	14.3
Ammospermophilus leucurus	1	2.9
Total	35/200 = 17.5%	(100.1)

25 Sept continued. Same location, then thru Titus Canyon, Klare Spring, around to Corkscrew Spring, then home

There was what appeared to be a kit fox burrow in the wash bank beside our tent. Only birds we got a good look at here were Ravens. There were some sparrows that I couldn't identify. Zebra-tailed lizards in wash, Utas, many young, on pavement. Packed up and left by 1100. Between this point and Lead(ville), saw 7 Acanthocephalus, young mostly, along road. Also a Rock Wren and a Brown-headed Cowbird. Saw one Sylvilagus between gate and red pass. One bighorn bolts running ahead of us for about 1/5 mile, approx 1 mile E of Klare Spring. Picked up skull of ewe first seen 7 Sept 1980. Monarch butterflies were abundant in lower canyon, saw 25±, feeding on Chrysothamnus which was profusely in bloom. Parked at Corkscrew Peak sign on Boundary Canyon Rd, and hiked to Corkscrew Spring to retrieve our camera. The camera had fallen off its rock, did not appear damaged. Numerous Zebra-tailed lizards, nothing else. Temp was 100+, some high, thin clouds. Finished at 1630, headed for home.

4 October Phinney Canyon Rd to mineshaft campsite

Arrived on study area about 1600, after running out of gas a few miles out of Beatty, talking with some frustrated Chukar hunters 2-4 miles E of Monument Boundary. Set traps 1/4 mile W of Sicundegic Station; Strozzi Ranch Crossroad. Set 60 traps along wash that intersects road, 3-trap stations, 2 Sherman's 1 Museum Special,

Kingsley
1980

40ct | Phinney Canyon Rd, Continued

20 meters apart, bait: oats coated with peanut butter and bacon grease. All set along sand and gravel wash lined with sagebrush and Purshia going NW from road. Set 20 traps, 2 trap stations, 1 sherman / museum special, going up rocky hill N of road to first Joshua tree. This location will probably show up on my maps as the same as the seismologic station. Surrounding vegetation is sagebrush community. Saw 10 + Ravens flying over and around rocky hills. Some cow sign. Many small mammal burrows around wash. 5 species trapped at this location previously were: Ammospermophilus, Neotoma, Peromyscus: crinitus, maniculatus; Dipodomys microps + merriami, Perognathus longimembris, parvus, formosus (?), Onychomys torridus. Finished setting traps 1800, headed for camp. After dark, John Radke arrived, looking for hunters. Spoke for awhile, we helped formulate the idea of studying Chukars to see if they might have displaced the Mountain Quail.

5 Oct | Trapping results same location as 4 Oct.

Rocky hill: Peromyscus crinitus, 3, all camp traps, 2 of the 3 were ♂ with testes abdominal, 3rd was mutilated by ravens? no other animals caught. Success 3/20

Wash line: Perognathus parvus 1; Peromyscus crinitus 3; Dipodomys merriami 1; Onychomys torridus 2. Total 7/60 all in Shermans, none in museum specials. All released.

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1980

5 Oct — Phinney Canyon Rd. 1/4 mi W of junction with crossroad that leads to Strozzi Ranch road, 5200 ft

Traps up by 1000. Overall success 10/80 = 12.5 %
Stopped to check weather station at Seismologic station. Saw Sage Sparrows there. Moved to ~~Mack~~ McDonald Spring, 5600 ft, also in Sagebrush community, via Beatty, Bullfrog, through Larrea and mixed shrub communities.

5 Oct — McDonald Spring, 5600 ft, sagebrush community.

The spring is a mud puddle about 6 ft × 10 feet × 4 inches at most. No vegetation around water for about 10 feet. Heavily used by cattle and ~~&~~ horses, some deer use, many Chukars, some Gambel's Quail, Rock Wren, Cooper's Hawk, White-crowned Sparrows, Marsh Hawk, Raven, White-throated Swift. Up canyon 20 feet from spring begins a dense patch of Clerycothamnus rosmarinus which was in bloom, extending for about 100 feet. Set 80 traps, 2-trap stations 1 Sherman 1 Museum special, 20 meter spacing, 2 lines. One line was along gentle slope S of road. Second line was along wash from rock outcrop approx 100 meters up canyon from spring, extending down wash, with 4 double sets immediately around spring and in Clerycothamnus. Spent evening from 1930 to 2230 netting bats over spring. Caught 2 Pipistrelles hesperus, ~~released each~~, 1 Myotis thysanodes, 1 Myotis californicus?. Two mule deer, ♂ and ♀, approached water while I was there, but were frightened away. I got a good look at them from approx 50 feet away, they froze in my flashlight beam.

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1980

6 Oct McDonald Spring 5600 ft, sagebrush community.

Last night's trap success:

Wash line: Peromyscus eremicus 2, 1 specimen #375, (snap trap) the other released from Sherman trap. 2/40

Flat line 1 Dipodomys merriami, snap trap, specimen #376 1/40 Total 3/80 = 3.75% Also caught 3 white crowned sparrows in snap traps. Very poor success, could be effect of overgrazing? Tried digging up likely looking gopher mounds, found one with a hole, set 1 trap, caught nothing. Picked up traps at 1400 hrs. Moved to Hooligan Mine.

6 Oct Hooligan Mine 4800 ft, mixed shrub community with artemesia scattered.

Arrived here about 1600, parked and camped at point where road is washed out, below mine. To the north is a small hill with several mine shafts. S is a valley, across which is a ridge. W the valley ascends to sagebrush community. Here, sagebrush is uncommon to rare in a mixed shrub community of Mendora Ephedra, Lycium, Haplopappus cooperi, Grayia, the rocky wash contained: Encelia farinosa, Stephanomeria Gutierrezia, Hymenoclea, Eriogonum fasciculatum, Ephedra, Sarcobatus. On rocky hill was Atriplex confertifolia, Machaeranthera, same dominants as flat. Hill apparently contains limestone and volcanic rocks.

Set 120 traps in 3 lines. One line of 40 Shermans, 2-trap stations, 20 m apart going W along road on flat. One line of 40 traps, 2-trap stations pairing Sherman and museum special, going W

Kingsley
1980

6 Oct Hooligan Mine 4800 ft continued

up the narrow rocky wash, a similar line up the hill from base almost to top, past mine shafts. Spent 2 hrs 1930-2130 attempting to net bats with net across mine shaft. Caught 1 Myotis thysanodes, 1 Pleatus townsendi.

7 Oct Hooligan mine exit.

Last nights trap success:

Wash line. Peromyscus eremicus 6 (4 snap, 2 live) Peromyscus crinitus 4 (2 snap, 2 live) Perognathus formosus 6 (5 snap, 1 live) 16/40 = 40%

Ridge line: P. eremicus 10 (4 snap, 6 live) P. crinitus 3 (1 snap, 2 live) P. maniculatus 3 (1 snap, 2 live) Perognathus formosus 4 (2 snap, 2 live). 20/40 = 50%

Flat line: P. eremicus 5; P. crinitus 2; Dipodomys merriami 2; Dipo. microps 1; P. formosus 3; P. maniculatus 1; Ammospermophilus 1; 15/40 = 37.5%

all traps up by 1015.

Totals for area		% of total
Perognathus formosus	13	25.5
Dipodomys merriami	2	3.9
D. microps	1	2.0
Peromyscus eremicus	21	41.2
P. crinitus	9	17.6
P. maniculatus	4	7.8
Ammospermophilus leucurus	1	2.0

51/120 = 42.5% success

Returned home after checking our other weather stations. Saw a Golden Eagle over mixed shrub about 5 mi E of Hooligan mine, Marsh Hawk

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1980

7Oct cont.

over larrea mixed shrub along Titus Canyon Rd. approx 3 mi W of Mon. Buggy.

I suspect the small number of Auenosperma (1) in my catch may be partly because I pick up the traps too early in the day.

24oct Titus Canyon Rd at Titanothere Canyon and Red Pass

Left Las Vegas at 10:30 with Margaret and Bill Dunn, who wanted to learn about trapping small mammals. Arrived at point where Titus Canyon Rd. meets Titanothere Canyon at 1430 hrs. Set 100 traps in three lines: one line of 40 ½ snap ½ live in pairs going down the rocky-sandy-gravelly wash. One line of 30 shermans set by Bill using single-trap stations, westward along gravel bench above wash. One line of 30 shermans in 2-trap stations I set going uphill toward pink cliffs ridge. There was some Thomomys sign but digging several mounds proved fruitless. Also much digging of Kit Fox (?). Margaret did a vegetation transect here. Vegetation is larrea-mixed shrub, and in the wash were some large Lupines and other wash plants (Hymenoclea). Weather: clear, 70's, light breeze. Proceeded up to Red Pass at top of hill above Leadfield, 5200ft. Rugged limestone (?) cliffs at the base of which is soft pink sedimentary stuff that is quite treacherous to walk on. Very steep and loose, rocky. Set 100 traps: Bill set 50, I set 50. Bill's line went up toward top of ridge W of pass, set 3-trap stations 2 sherman 1 snap

Kingsley
1980

24 Oct continued

for first 10 stations, 2 shermans for remainder to
1 west 2 from pass at base of cliffs, set
50 traps, 3-trap stations, 2 shermans and a
snap at first 10, 3 shermans at remainder.
Night was cold, light breeze, moon just waning
from full. Found scat, I think of Ringtail
and then looks like Ringtail country. Vegetation
here is unique: Hecastocleys and Artemisia
Margaret did several transects.

25 Oct Titus Canyon Rd at Titanothere Canyon 4800 ft

Trap results:

Wash line: 20 snap 20 shermans

Peromyscus crinitus 2 snap (#392, 393)

P. eremicus 2 shermans

Perognathus formosus 1 sherman

5/40

Bench line 30 shermans, gravel + Larrea

Peromyscus maniculatus 1

P. eremicus 1

Dipodomys merriami 1

Onychomys torridus 1

4/30

Hill line 30 shermans, Larrea, rocky

P. formosus 1

P. crinitus 2

3/30

Total: 12/100

Perognathus formosus 2 Dipodomys merriami 1

Peromyscus eremicus 3 P. crinitus 4 P. maniculatus 1

25 Oct continued

Onychomys torridus 1

Red Pass 5200ft Trap results

Hill line 50 traps 10 snap 40 sherman

Peromyscus crinitus 5

Neotoma lepida 1 all in shermans

6/50

Cliff line 50 traps 10 snap 40 shermans

Perognathus formosus 1

Peromyscus crinitus 7 (1 snap)

Neotoma lepida 1

Ammospermophilus 1

10/50

Totals: 16/100

Perognathus formosus 1, Peromyscus crinitus 12, Neotoma lepida 2, Ammospermophilus 1

Proceeded south to mine tunnels 1/2 mi E of Headfield 4400ft set 119 traps in 3 lines 40 (paired snap + live) along wash, 40 (same) E of road along flat, 39 at right angles to road, starting 1/2 way up hill W of of road. Weather cool, windy, very light rain at night. Vegetation: Larrea mixed shrubs. Explored mine tunnels, found 3 Plecotus townsendi, collected 1. (#405). Birds seen this trip: Kestrel 2 mi W of Mon Buzzy. Rock Wren, Loggerhead Shrike, Quail, Chuckars in Titanothere Canyon. White crowned sparrows, Lesser Goldfinch, Junco, Raven, Rock Wren at Red Pass.

Kingsley
1980

25 Oct continued

Meadowlark, raven, rock wren, Say's phoebe nest at 1/2 mile of headfield. + Yellow-rumped warbler

26 Oct Titus Canyon Rd 1/2 mile of headfield 4400ft

Windy and cool after a very light rain last night, sky overcast at night, clear today.

Trap results.

Wash 40 1/2 live 1/2 snap

P. arcticus 5 (2 snap)

P. cricitus 3 (2 snap)

P. formosus 3 11/40 (1 snap)

Flat 40 1/2 snap 1/2 live

P. arcticus 4 (2 snap)

P. cricitus 1

P. formosus 5 (1 snap)

Ammospermophilus 1 11/40

Rocky hillside 19 shermans

P. cricitus 8

P. formosus 2 10/19

Flat 20 shermans

P. arcticus 3

P. cricitus 1

P. formosus 2 6/40 38/119

Totals 38/119

Peromyscus formosus	12	.316
Peromyscus cricitus	13	.342
Peromyscus arcticus	12	.316
Ammospermophilus	1	.026

NO DIPOS! a surprise.

Kingsley
1980

26 Oct Phinney Mine

Bill Dunn, Margaret, and I ~~parked one~~ continued along Titus Canyon Rd from our trapping area near Leadfield. Stopped to look at Klare Spring and almost stepped on a Crotalus Mitchelli. Parked one vehicle at Radiator Water at milepost 24, drove the other out to Phinney Mine after dinner in Beatty. Saw a large buck Mule Deer 4 mi E of Phinney Mine in Sagebrush, 9 pm (2100 hrs). There was some snow on the ground at our campsite, pinyon nuts abundant cones falling from trees.

27 Oct Margaret and I shouldered our packs for the hike ~~to~~ over Phinney pass and down the canyon to Death Valley. Saw Gray Fox tracks in snow near Doe Spring, many deer tracks in snow, The pinyons extend farther down on the west side than we had imagined, even a few being visible on hills while we were standing next to Lotta in the valley. Chipmunks seen and heard down to about 6000 ft. Much Thomomys sign in valley in P.J. Cow pies down to Doe spring. A beautiful day - clear skies with a few clouds in morning, a stiff wind, temperatures in 60's at most. Began running into navigational difficulties in the narrowest part of the canyon, encountering dry falls that could not

Kingsley
1980

27Oct Primary wash like, continued
be climbed over without ropes. Attempting to circumnavigate them we encountered very difficult, dangerous steep terrain, loose rocks, talus, and Bighornsheep trails. The approximately 1.5 linear miles of the narrows required 5 or 6 hours of work to get through, climbing around the dry falls. Everywhere was sign of bighorn. Numerous potholes, some over 6 ft in diameter, were filled with water. Along each route we chose around dry falls, we found sheep trails. There were at least 6 falls to go around.

28Oct Finally the canyon opened, dry falls ceased to be a problem. Looking for a spring in a small side canyon (unsuccessfully) I found the entire skeleton of a yearling ram. Camped near spring 237, only 2 miles from the road – exhausted.

29Oct Checked spring 237 – found 4 trickles of water going down the slope, spread out over a distance of some 2 or 3 hundred yards. Dense growths of Solidago, Mesquite, several grasses. Small (under 1 ft) pools. Considerable Bighorn sign, Neotoma housed. Bighorn tracks in sandy wash all along our route to this spring. Not much water here, but obviously enough to be important to sheep. Continued across bajada to our vehicle, then headed home.

Kingsley
1980

10 Nov Phinney Canyon Rd -

with Mark Hodgkins. Set 111 traps in 3 lines 8 mi E Grapevine Pk 5000 ft sagebrush. 2 lines of 40 stations 20 m between stations 2 traps per station, plus 10 museum specials at last every other station. Plus 1 line of 11 museum specials in pairs. Vegetation: sagebrush, mesquite, etc. terrain flat gravelly. Weather: quite cool and windy clouding up. Then went to Phinney Mine, saw 3 bats ca. 1 mi E of Seismologic station. In Phinney Mine we found 15 Plecotus townsendi and 3 Myotis californicus I collected 2 Myotis, Mark took 3 of the Plecotus and recorded them using a bat detector. Camped at Seismologic station. Overcast, windy.

11 Nov 8 mi E Grapevine Peak 5000 ft Sagebrush

Last night's traps caught:

		%
Dipodomys microps	8	42.1
D. merriami	5	26.3
Perognathus formosus	2	10.5
Onychomys torridus	1	5.3
Peromyscus maniculatus	1	5.3
Reithrodontomys megalotis	1	5.3
Ammospermophilus leucurus	1	5.3
		100.1

19/111 = 17.1%

Only one animal, a D. merriami was caught in snap traps, all others in Sherman's. Picked up traps by 1000 hrs. Set one unsuccessful gopher trap as there was a small amount of gopher sign.

Krugsky
1980

11 Nov | 8 mi E of Grapevine Pk 5000 ft. continued

There was considerable evidence of cows and horses, and we saw 24 cows approx 1/4 mi E of this location. Also coyote scat here. Realized that we have seen far fewer rabbits, both Jackrabbits and cottontails this year than last. Returned to campsite at seismologic station to put up skins. Then went up to check our weather stations at 6000 and 7000 ft, Mark gathered a large bag of pinyon cones in a few minutes. This is an extremely good year for pinyon nuts. Then we drove into Beatty to pick up Mark's vehicle and have dinner. Drove to Leadfield, then down to Klare Spring. Titus Canyon Rd had been graded within the past few days and the puddle in the road had been mostly filled in, I applied a shovel to increase its size. We sat in the road, using Mark's bat detector but picked up only one Pipistrelles so did not put up the net. Then It was very windy, overcast, quite cold. We returned to Leadfield where we explored two old buildings and the largest mine shaft. Saw a Western Wood Pewee in one building and a Plecotus townsendi in the mine shaft. Had a windy night, light intermittent rainfall. Saw only one Jackrabbit en route: approx 3 mi W of Monument Boundary.

12 Nov | Leadfield

Awoke to find snow in the higher elevations,

12 NOV Leadfield

the highest peaks fogged in. Gray, windy, damp, light hail and sprinkles as we ate breakfast. Checked mine shafts (all of them) and found no bats! Saw a Beecrick's Wren, Chukars, Raven. Helped Margaret with a transect, then headed for home, defeated by the weather.

17-18 Nov Titus Canyon Rd at "entering Titus Canyon" sign ~4000ft

Arrived just as it was starting to get dark. Set 100 traps: 80 shermans 20 museum specials in alternate 2 and 3 trap stations. The 3-trap stations had 2 shermans and 1 M.S., 2-trap stations had 2 shermans. Stations 20 meters apart, heading up Titus Canyon from "Entering Titus Canyon Sign" for 400 meters (20 sets) and down the canyon from sign, 400 meters. Set line along wall (going down) and W wall going up. Some traps in gravel wash, most in rocks or on benches. Considerable Bighorn Sheep sign. Grass trampled, trails, droppings. Neotoma nests in some of the rocky crevices.

Plants: Eriogonum trichopodum (rare) Mammillaria petrophylla (rare) E. inflatum, Chrysothamnos paniculatus, Atriplex sp., Brickellia multiflora

Larger
Birds: Gambels Quail, Juncos, Black W Finch, Chukar Raven

Herps: Uta stansburiana in rocks 9PM.

Tried netting bats at Klare Spring 1830-2030: caught 1 Pipistrelles in first half hour, nothing else. Heard noises that sounded like Bighorn on cliffs S of spring. Camped at Leadfield.

17-18 Nov Titus Canyon, continued

Picked up traps by 1100 hrs. Caught:

	#	%	Specimen #
Peromyscus formosus	1		424
Neotoma lepida	1		425
Peromyscus eremicus	7		426, 427
Peromyscus crinitus	3		428, 429
	12		

All 3 Peromyscus crinitus were caught in very rocky places, but 5 of the P. eremicus were, also. One station caught both species. No success with snap traps - all rats caught in Sherman's!

18 Nov Titus Canyon at Klare's prong and 3.1 miles W of KK Spring

Had lunch here, then proceeded to set traps while Margaret did a transect. When we arrived, we saw a young ♂ Bighorn on the hills of the spring, he watched us for 15 minutes or so, then disappeared. I set 100 traps in two lines. The first line "hill line" was along the hills of the spring, starting at a large red boulder and going W toward a prominent peak, across talus slopes and gullies. Many Bighorn sign, & one old gopher sign. Set 50 traps alternating 2 and 3 trap stations, 20 meters apart; 2 Shermans or 2 Shermans and a Museum special, bait: oats with peanut butter and bacon fat. Margaret did a vegetation transect (#73) here. Prominent plant species were: Larrea, Pseudoroegneria, Ephedra californica, Ambrosia dumosa, Amphipappus, Echinocactus, Encelia farinosa, Opuntia basilaris, Viguiera

18 NOV Titus Canyon at Klare Spring continued

Set second line of 50 traps concentrated around Spring. Spring vegetation: Typha, Phalaris, Poa, giant sedge - a total of 32 traps in spring growth, the other 18 continuing in a line going W from spring along N side of the road; Chrysothamnus paniculatus. Then I proceeded 3.1 miles W along the road, elev: approx 2000 ft surrounded by high rocky cliffs, gravel wash. Vegetation: Eucnide, Chrysothamnus paniculatus, Viguiera, Eriogonum fixfordii, Pancratium, Eucelia, Larrea, Tidestromia, Eriogonum inflatum, Salvia funerea. Set 60 traps, 3-trap stations 2 sherman and a Museum Special, in two lines of 30, on each side of wash along canyon walls. Returned to Klare Spring to learn that Margaret had seen six Bighorn come in to drink, one ♂ and the others ♀ or young. Camped at Leadfield.

19 NOV Klare Spring area on Titus Canyon Road

Trap results:

Spring line 50 traps

Peromyscus crinitus: 5 (spring) 1 (rocks) {2 in snap traps} = 6

Neotoma lepida: 1 (spring)

Total 7/49 1 snap trap missing

Hill line

Peromyscus crinitus: 4 (1 snap)

Neotoma lepida 1

Ammospermophilus 1

Total 6/50 Total total 13/100

Collected some scat: Ringtail? in rocky draw W of spring.

19 NOV | Klare Spring along Titus Canyon Rd

Birds: Rock Wren, Black-throated Sparrow, Pinyon Jays! Raven

Titus Canyon 3.1 mi W of Klare Spring 2000 ft

Trap success:

Perognathus amplus: 5 (3 in traps)

That's all! 5/60

Margaret heard 3 crashes that sounded like Bighorn rams fighting. She also made a plant list. Picked up all traps 1100 hrs. Proceeded to mouth (or area?) of canyon, had lunch in parking lot. Hiked up canyon about ½ mile. I heard a crash that sounded like rams fighting. What were these sounds, really? Proceeded to Scotty's Castle to squeak away our lunching, then E along Grapevine Canyon road to a small

riparian area 1 mile E of Scotty's Castle, 3100 ft.

Vegetation: Salix, Pluchea, Baccharis, and much Vitis tangling everything. There had been a burn at this area some years ago - some charred stumps, many trees were cut down. Set 60 traps in 3-trap stations, 15-20 meters apart, 2 Sherman's, 1 Museum Special, all baited with peanut butter - bacon fat coated oats. Also set 50 traps, alternating 2 and 3 trap stations (2 Shermans / Museum Special) same bait, going E from big rock at base of hill, E of riparian area, following base of hill E-ward, then going up small rocky canyon until it started to get rough, then back down canyon

19 NOV Grapevine Canyon 1 mi E of Scotty's Castle continued to intersection with wash. Picked up Margaret who was doing a vegetation transect 3.7 miles E of Scotty's castle. Vegetation in dry area immediately E of Riparian: Atriplex confertifolia dense along wash, Atriplex hymenelytra uncommon, Atriplex (2-winged) common on slopes, Larrea conspicuous, Hymenoclea common, Lycium. Margaret did a transect on one slope. Geology: Volcanic, gravel and boulders, very rocky in small canyon. Weather: partly cloudy, light breeze, a little above freezing. Almost full or full moon. Camped indoors at Scotty's Castle.

20 NOV. 1 mile E of Scotty's Castle, Grapevine Canyon, 3100 ft

Trap success: (~~5~~ 5 sets had all traps filled, 2 had none)

Riparian area, 60 traps	n	%	Specimen #
Perognathus amplus	21	(7 snap)	
P. crinitus	9	(2 snap)	
Neotoma lepida	4	(0 snap)	456, 457
Total	34/60		

No Reithrodontomys. Also caught the tail of a P. amplus in a snap trap. Only bird seen was a Ruby Crowned Kinglet.

Dry area, 50 traps	n	%	Specimen #
P. crinitus (1 snap)	4		438-440
Ammospermophilus	2		441, 442
Total	6/50		

Both Ammos in same set: Saw a Badger withdraw into a hole. Considerable digging in the area.

20 Nov Grapevine Canyon

After lunch, went to an area with some Yucca brevifolia, Larrea, Atriplex at which Margaret did a transect yesterday. This is 3.7 miles E of Scotty's Castle at a benchmark 3784 feet. Set 60 traps, 3-trap stations, going S up and over hill with a large 4-headed Yucca and up past a white rock outcrop. Also made 4 gopher sets. Soil gravel with rock outcrops, volcanic; weather: beautiful! partly cloudy, light breeze, temp high 60's. Moonfull. Also went to Cottonwood Curve 1 mi W of Scotty's Castle, benchmark 2706 feet. Set 60 traps, 3-trap stations in 4 lines 15 traps (5 sets) per line. Line 1: up wash S of road, line 2 up hill S of road E of wash, line 3 in cottonwood riparian, line 4 going along small wash N of road W of Nond cottonwoods. Vegetation: Larrea, Atriplexes Eriogonum rexfordii, Stephanomeria, Seneato Populus, Prosopis, Hymenoclea. Soil, rocky-takes hillside; wash sandy-gravelly.

21 Nov Grapevine Canyon 3.7 miles E of Scotty's Castle 3784 feet

Trap success: 60 traps

Peromyscus crinitus	4	(458, 459)
Dipodomys microps	2 (1 trap)	(460, 461)

That's all. Gopher traps → 0. I saw an Ammospermo: in an Atriplex confertifolia near rock here.

Traps up 0845.

ingsley
1980

21NOV Grapevine Canyon. Cottonwood corral, 1 mi W Scotty's Castle 2706ft.

Trap success, 60 traps, 15 in each of 4 lines

Rocky hill line

Peromyscus crinitus 3 (1 snap) 3/15

Wash line S of road 0 0/15

Riparian P. eremicus 4 (1 snap) 4/15

Wash N of road 11/15

P. eremicus 6 (2 snap)

P. crinitus 4 (1 snap, 2 in same sherman!)

Neotoma lepida 1

2 P. eremicus + Neotoma, same set

2 crinitus 1 eremicus, same set

2 crinitus 2 eremicus, same set

Lumping all for this location:

Peromyscus crinitus	7
Peromyscus eremicus	10
Neotoma lepida	1
	18/60

Snap trays: 5/20 Live trays 13/40

White-crowned sparrows, Rock Wren were only birds heard/seen clearly, but there were others in trees.

Kingsley
1980

26 Nov | Route 5 Milepost 10 Elev 100 ft

This area has many small mesquite sand hummocks, very close to the road - ~~the~~ one of two easily accessible areas of the type in our study area, the other being at milepost 7 and much smaller. The surrounding landscape is dominated by Larrea-Atriplex, barren wash hills, gravel fans. Mesquite flat is west of here. There are many holes, I suspect Dipodomys deserti in sand. A few Neotoma nests - Appear at base of mesquite. Some gravel channels between hummocks. Some of the Dipo burrows look like they have been disturbed by a fox, badger, or coyote. There is a small grave - a mound of sand, some large rocks placed over ~~them~~ it in an oval pattern about 4x3 feet and a weathered stick at the head. I set 60 traps in 3-trap sets (2 sherman 1 museum special) + bait: oats coated with peanut butter and bacon fat, around each of 20 hummocks, at 1400 hrs. Some cottontail droppings.

26 Nov | Route 5 milepost 14 elev. 140 ft

This is a stony alluvial fan dissected by numerous small braided channels. This is drainage from Titus Canyon. Widely spaced Larrea, some scattered Atriplex lycioides. Margaret did a transect here while I set traps. Set 60 traps in triplets, ~~same as~~

26 NOV ~~same beat~~ Route 5 sites continued

same beat as above, in a straight line heading NE from milepost, stations 25 meters apart. No obvious signs of mammals. Weather today and tonight: beautiful! Camped tonight at Scotty's Castle MPE.

27 NOV Route 5 milepost 10 Mesquite Hummocks

Ravens (5 or 6) flying overhead - only birds seen on these areas.

Trap success:

Ammospermophilus 1 escaped

Peromyscus crinitus 1 specimen # 468

The trap containing the Ammo had been disturbed by a fox or badger: an area of about 1 meter around the trap had been severely disturbed by digging and/or thrashing the trap around in the sand. No really good tracks - the best looked like kit fox. Left traps in place for another night.

27 NOV Route 5 milepost 14

Nothing! in 60 traps. Left set for a 2nd night.

27 NOV Route 5 milepost 6

Did a plant transect in Atriplex here - no sign of mammals. Then hiked up 1/4 mile to left between mud hills, where there are some mesquites. Neotoma Dipo (deserti?) signs present. A beautiful set of Perognathus formosus tracks in sand. Old Neotoma middens present in S wall of canyon in a cleft, also on ground. Cottontail droppings present

27 Nov Route 5 milepost 24 radiator water elev 1300

Here there is a broad shallow wash - sand, gravel, small rocks, Larrea, Atriplex, Hymenoclea. Margaret did a transect. Also a this is surrounded on two sides by Bajada - larger rocks, mostly Larrea widely spaced, talus slopes, gently sloping. Margaret also did a transect here.
I set 100 traps in two lines, 50 on bajada 50 in wash. Alternating 2- and 3- trap stations, bait oats cooked with peanut butter and bacon fat. Stations 20 meters apart.

28 Nov Route 5 milepost 10

60 traps, second night caught
Dipodomys deserti 1 #469
That's all. picked up traps.

28 Nov Route 5 milepost 14

60 traps, second night caught
Peromyscus crinitus 1 picked up traps #470

28 Nov Route 5 milepost 24

100 traps caught:
Perognathus formosus, snap 1 #471
Peromyscus crinitus wash 2 Bajada 3 #472-473
Total 6/100 left traps for second night.

Hiked up to spring 237 A "Trickling Spring" which is a narrow 1-2 ft wide 1/4-1/2 inch deep stream that goes for about 1/4-1/2 mile, and encounters a 20 ft falls midway. Lots of mesquite - screwbean and glandulosa

28 Nov | Route 5 milepost 24 continued

which has been eaten by coyotes. Coyote droppings full of bears also. Much Bighorn sign along stream and above stream in canyon, including 3 small bedding grounds. Followed spring until it quit, then another 1/4 mile. Then hiked over hill N of spring, and down the next canyon which had a similar but smaller spring, lots sheep sign, Ephedra present. Returned to Scotty's Castle.

29 Nov | Route 5 Milepost 24

Trap success:

Bajada

Peromyscus crinitus	8 (2 recap)	8/50	(#474, 475)
Wash 2 P. crinitus released		2/50	
Total	10/100 all P. crinitus		

Picked up all traps by 1145

Hiked from here to Spring #238 "Forgotten Creek" which can be seen from the road as two dense patches of tall grasses and a couple of straggly willows. There is a stream, generally less than 2 cm deep with a couple of small pools approx 30 cm diameter and 10 cm deep. Some, but not much Bighorn sign. Much coyote scat. Stream is intermittent about 200 meters long by 30 cm across (average). Road sounds are quite audible from this spring. Vegetation: 2 patches of Pleraquifolia and Distichlis, Solidago, Suaeda, Prosopis glandulosa, Perezia plukenetii; Soil: alluvium, conglomerate and dried salts.

29 NOV | Route 5

Proceeded to milepost 26.5. A bajada and 2 washes leading back to canyons. Dominated by Larrea, but containing also Hymenoclea, Atriplex, Opuntia acanthocarpa and basilaris, Ambrosia dumosa and confertifolia; set 100 traps in two lines one line of 40 shermans up the N most wash very rocky into a narrow alluvial canyon, many holes in banks. One line of 60, 3-traps per station, 20 stations, 2 shermans and a museum special at each. (All stations 20m apart, straight lines. Bait: oats coated with peanut butter and bacon fat.) Line of 60 goes up bajada. Elevation 1700ft, soil sandy-gravelly-stony. Then proceeded to milepost 30.1. This is a bajada with small washes dissecting it. gravelly, and desert pavement, some stony patches, some sand in the washes. (hymenoclea + confertifolia)
Vegetation: Larrea - Atriplex, Ambrosia dumosa Eriogonum inflatum, Opuntia echinocarpa + basilaris
set 50 traps, alternating 2 and 3 trap stations 20 metres apart for 20 stations. Two shermans at each station, a museum special added at alternate stations. Same bait as before. Line goes E across bajada, crossing small washes. Also present: Echinocactus, Hymenoclea.

End third page

30 Nov | Route 5 milepost 26.5

Ammospermophilus seen but not caught.

Trap success: 100 traps (80 sherman 20 snap)

Bajada (40 sherman 20 snap)

Peromyscus crinitus 2 (sherman, kept: #476, 477)

Dipodomys merriami 1 (sherman, kept: # 478)

That's all. Nothing in snap traps. BUT: eleven of 20 traps had been set off and bait stolen, many of the traps were turned over. Two of the shermans were set off. Two of the 3 successful shermans were turned over. On ~~one~~ two of the shermans there was deposited a fecal sample, apparently of a kit fox I collected the samples.

Wash (40 shermans)

Peromyscus crinitus 3 released

Neotoma lepida 1 kept (#479)

Total for 100 traps:

Peromyscus crinitus	5
Neotoma lepida	1
Dipodomys merriami	1
	7/100

Picked up traps by 1015 hrs.

30 Nov | Route 5 Milepost 30.1

Trap success: 50 traps, 40 shermans 10 snap:
Dipodomys merriami 4 all in shermans 2 kept (#480-481)
Six of the 10 snap traps had been cleaned, presumably by kit fox; 1 snap trap was missing. 3 shermans were closed but empty, one had a fecal dropping (collected) One Dipo was dead in the trap, the trap had been moved, and a dropping was placed on it.
Reset all traps, replaced missing trap.

1 Dec | same location. second night trap success:
Dipodomys merriami 5 (all released)
Ammospermophilus leucurus 4 (1 snap) #482, 483

Total this site: 100 trap nights (80 shermans 20 snap)
Dipodomys merriami 9
Ammospermophilus leucurus 4 (1 snap)
13/100
It is possible that 2 of the Dipos caught on the second night were also caught the first night, which would bring the count to 7.

Quigley
1980

30 NOV Route 5 Old Grapevine Ranger station and Spring #246 Ranger Spring

Gophers sign at ranger station. I set 5 gopher traps in all the tunnels I could find.
Hiked to spring. Dense growth of Pluchea, Distichlis, Prosopis (screwbean and glandulosa)
The only free water is hidden by dense growth.
No sheep sign. Coyote scats. jackrabbit droppings. Old pipes and joule.

Surprise Springs #248

Set one line of 50 traps (40 sherman, 10 snap) in a line along ridge crest from seismologic station at end of road, line went down ridge, westerly. Traps in alternate 2 and 3 trap stations the third trap was the snap, 20 meters apart. 20 stations. Bait: oats coated with peanut butter and bacon fat. Vegetation: Larrea, Ambrosia dumosa, Atriplex lycioides; time 1500.
Weather partly cloudy, temp in 60's,
Set a line of 20 (not really a line, a saturation pattern) 10 sherman 10 snap around willows.
Set a line of 50 (40 sherman, 10 snap) as above going upstream from point where stream first approaches road. This is a small, 1 foot wide, ½ inch at most deep, braided stream, with much salt brush. Vegetation mostly grasses a few Baccharis, some Atriplex lycioides.
Stream is on the floor of a narrow canyon in alluvium. Saw a jackrabbit. Gopher sign.
Total this location 120 traps.
Coyote scats.

1 Dec Route 5 MP 33 Old Grapevine Ranger station

Caught 1 Thomomys in the 5 traps I set

Specimen # 484

1 Dec ~~Route~~ Surprise springs 2800 ft. ridge line 50 traps (40+10)

		#	%
Peromyscus crinitus	2	485, 486	20
Neotoma lepida	2	487, 488	20
Peromyscus ~~eremicus~~ crinitus?	1	489	10
Dipodomys microps	1	snap 490	10
Dipodomys merriami	4	491, 492	40

10/50 = 20%

1 Dec Surprise Springs, around willows 20 traps (10+10)

Peromyscus crinitus	1	released	50
Neotoma lepida	1	released	50

2/20 = 10%

1 Dec Surprise Springs, along stream, 50 (40+10)

Peromyscus crinitus	2	(1 snap) 493	67%
Ammospermophiles	1	494	33%

3/50 = 6/00

Total for this location:

Peromyscus crinitus	5
Peromyscus ~~eremicus~~ crinitus?	1
Neotoma lepida	3
Dipodomys microps	1
Dipodomys merriami	4
Ammospermophilos leucurus	1

15/120

Kingsley, K. J.

1979-80

Species Account

Myotis thysanodes thysanodes Miller

Fringed Myotis

31 July 1980 4 specimens collected in mine shafts 1/2 mile E of Leadfield Numbers 336-339

5 Oct 1980 McDonald Copper, explosive, net over [illegible]

379, 81-32-10-20-11-10 2 ques

6 Oct 1980 Hamilton Mine, net over mine tunnel, mixed conif

381 82-33-9-19-11-41 7 ques

Myotis californicus pallidus Stephens

roosting in mine shaft, Phinney Mine, 6800 ft.
10 Nov 1980.
413. 78-37-7-13-7-32 4 ♂♂ & fet

Myotis leibii melanorhinus (Merriam)
small-footed Myotis

netted over water, McDonald Spring 5600 ft. 5 Oct 1980
378. 81-39-7-15-8-32 5 gms ♂ Ab fat

roosting in mine shaft. Phinney Mine. 6800 ft.
412. 76-38-7-13-8-31 4 gms ♀ non-rep. fat

Pipistrellus hesperus hesperus (H. Allen)

Western Pipistrelle

Checklist

2½ mi E / mi's GV Peak - Hall

22 Aug 80 - collected 4 at Klar Spring. #340-343

5 Oct 1980 McDonald Spring 5650 ft carpet vet over the C

377. 71-25-5-12-5-30 5 gms very fat ♀ non repro'd

380. 70-31-6-13-6-29 4 gms very fat ♂ scro

Plecotus townsendii pallescens Miller

Townsend's Big-eared Bat

Specimens:

133. ♀ nonrep. 93-43-10-36-14-43 8 gms

134. ♀ lac 97-48-13-37-18-46 9.1 gms

135. ♂ Ab 8x4, 6x4 91-46-10-34-14-42 7 gms

above from Nevada. Nye Co. Death Valley N.M. Grapevine Mtns. Phinney Mine. 6800 ft. 7 Aug 1979.

361. ♀ non rep. 95-50-11-36-15-45 8 gms

23 Sept 1980. same location as above

382. ♂ scro 95-46-9-40-17-43 8 gms

6 Oct 1980 Nevada Nye Co. ~~Hooligan~~ Death Valley N.M. Grapevine Mtns. Hooligan Mine 4800 ft. net over mine tunnel.

405. ♂ sc. 90-48-9-36-17-42 9 gms

California. Inyo Co. Death Valley NM. Grapevine Mtns. 1/2 mi E headfield 4400 ft. mine tunnel

Notes:

7 Aug 1979. Phinney Mine. 3 bats hanging singly in mine tunnels - collected

23 Sept 1980. 16 seen at Phinney Mine 12 in W shaft, 4 in E shaft. All but 2 hanging singly, at least 5 m. apart. 2 were no more than 10 cm apart. Collected 1.

6 Oct 1980: Hooligan Mine. 2 were flying inside tunnel, 1 got caught in net over tunnel.

25 Oct 1980 mine tunnels 1/2 mile E headfield. saw 3 collected 1. 1 in each of 3 tunnels

Pleasters townsendii p. 2

10 Nov 1980. Phinney Mine. 15 were in W tunnel. Mark Hodgkins recorded sounds and collected 3.

11 Nov 1980. Mine tunnel 1/2 mi E Leadfield. Saw 1.

Antrozous pallidus pallidus (LeConte)

Pallid Bat

(checklist

roost of 50 in rafters at scotty's castle 28 July 1980

collected 2

731. 103-40-13-31-14-52 10 gms ♂ scro 4x2

332 111-44-13-36-17-53 16 gms ♀ no embryos/scars

bok-thru wing - epiphyses

Sylvilagus nuttalli grangeri (Allen)

Nuttall Cottontail

Hall (1946) 2½ mi E and 1 mi S Grapevine Pk 6700 ft.

Checklist: surrounding mountains

mammalian species no 56

Sylvilagus audubonii arizonae (allen)

Audubon Cottontail

Hall (1946) 5 mi E and 1 mi N Grapevine PK 5500 ft

" " 3 mi E Grapevine PK 6000 ft

checklist: mesquite thickets on valley floor

Willow spring 22 Aug 80 - 2

Mammalian Species No 106

#317 ♂ Sc. 40x15 351-44-83-78 776 gms

Lepus californicus desiticola Mearns

Black-tailed Jack Rabbit

Hall (1946) 8 mi E Grapevine Pk, 5000 ft

Checklist

Sight records: Phinney Canyon Rd 30 May 5

Phinney Mine shaft 25-27 June; watched one feeding on hillside. Common along road in sagebrush area.

Grapevine Pk - sign

Phinney Mine shaft 22 July 1979

Eutamias panamintinus (Merriam)

Panamint Chipmunk

Hall (1946) ½ mi E Grapevine Pk, 8500 ft

" 2½ mi E and 1 mi S Grapevine Pk 6700 ft

2½ mi E and ½ mi S Grapevine Pk 6700 ft

Checklist: P-J belt of Grapevine and Panamint Mtns.

Strozzi Ranch: 1 seen 12 June 79

Phinney Mine Shaft 25-27 June: #79, + saw one

½ way up Grapevine Peak - 1 seen 23 July 1979

seen at strozzi ranch, hillside, 17 Aug 79

Seen and heard on Grapevine Pk and en route 15 Sept 1980

Seen and heard 28 Oct in PJ W of Phinney Pass

79. ♀ lac. 2s. 225-86-32-20 n.w. 2½ mi E + 1 mi S Grapevine Pk 26 July

318 ♀ non rep. 205-80-30-20 48 gms 1 mi S and 1.5 mi E Grapevine Pk.

Citellus (Ammospermophilus) leucurus

Whitetail antelope squirrel

Hall (1946): 2½ mi E + 1 mi S Grapevine Pk, 7000 ft;

Checklist: mesquite hummocks of valley floor to over 6000 feet in mountains.

Specimens collected:

Titus canyon rd 10 Mar 79: 12

Currie Well 31 Mar 79: 35

Phinney Canyon Rd 30 May 79: 54, 59, 60

Phinney Canyon Rd: began seeing them as we left P-J. (as Pinus became scarce)

Strozzi Ranch 11 July 79: on rock above camp

Sage Canyon 6 Aug 79: 132

Seen + heard at Strozzi Ranch 17 Aug 79

Mexican Camp Rd 1-2 Sept 79: 182, 183, 165, 181, 172

En route to Cottonwood Spring 23 Aug 80

Hummingbird Canyon

Tributary Canyon Rd. 20 Mar 79 sandy wash

12. 115-52-33-12 33.3 gms.

Curtis Wash 31 Mar 79 cuckle burr, trap

A 28. 195-57-35 ♀ 37.4 gms ♂ 2 mi. to S.

Phinney Canyon Rd. Entrance to Valley 30 May 79,

54. 175-65-34-11 61.0 gms ♂ 4½ 8½" sandwash, trap

A 57. 205-60-37-10 [illegible] gms ♂ [illegible] sandwash trap

59. [illegible] [illegible] [illegible]

Canyon adjacent to Grapevine 6800 ft 6 Aug 1979

82. 188-55-33-12 ♀ rocky wash bank

Maximum Canyon Rd. 5600 ft. 1-2 Sept 1979

145. 185-57-35-12 [illegible] ♂ Merkel [illegible]

* 181. 204-64-35-13 [illegible] gms ♂ Scorp. gravel, canyon, ridge

182. 191-[illegible] [illegible] gms ♂ [illegible] wash, [illegible]

183. 176-[32]-36-14 83.3 gms ♀ gravel (wash) side

186.

Pine Canyon Rd. 5200 ft. [illegible]

Jo8. 181-59-36-12 [illegible] [illegible]

Sweetwater Mt. N Grapevine 5800 ft canyon wash 17 Sept

350. 202-62-36-10 86 gms ♂ Ab mating

304. 209-72-35-11 86 gms ♀ non repro

Hooligan Mine 7 Oct 80 mixed #'s

398. ♂Ab 205-79-36-12 99 gms

25 Oct 1980 Titus Canyon Rd Red Pond
1 escaped.

26 Oct 1980 Titus Canyon Rd 1/2 mi E Lead field
Lotta mixed 4400 ft.

* 409. 205-66-33-10 86 gms ♂ scrd

11 Nov 1980. 8 mi E Grapevine Peak 5000 ft. sagebrush

* 423. 195-58-34-10 71 gms ♂ scrd

19 Nov 1980 Titus Canyon at Klare Spring

433. 208-55-35-14 83 gms ♂ Ab 5x12

20 Nov 1980 Grapevine Canyon 1 mi E Scotty's Castle

441. ♂ Ab 9x5 (190-41)-31-11 88 gms

442. ♀ non-rep. 191-58-34-11 80 gms

30 Nov 1980 Rt 5 milepost 26.5

1 seen, none caught

1 Dec
~~30 Nov~~ 1980 Rt 5 milepost 30.1 bajada - Lucerne 1940 ft.

* 482. ♂ scrd. 194-56-37-11 83 gms

483. ♀ N (185-35)-37-10 92 gms

1 2 released

1 Dec 1980 Surprise Springs along stream

494. ♀ non-rep. 195-55-36-9 86 gms

T. bottae oreocetes Bent

"T. bottae oreocetes" Hall (1946): Grapevine Mtns. (U.S. Nat. Mus. Biol. Survey Coll.); 2½ mi E and 1 mi S. Grapevine Pk, 6700 ft.; 5 mi. E. and 1 mi. S. Grapevine Pk. 6000 ft. Checklist: "Higher elevations in surrounding mountains".

En route to Owl Spring 21 Aug 80 – much sign

En route to Willow Spring 22 Aug 80 – much sign

THOMOMYS

Titus Canyon Rd 1/2 mi E of Leadfield 4400ft 26 Oct 1980

set 3 traps last none caught

8 mi E Grapevine Peak 5000 ft sagebrush 11 Nov 1980

set 1 trap, none caught - sparse last present

Route 5 map 33. 012 Grapevine Ranger station

484. 175-57-23-7 73 gms ♀ non-rep.

Perognathus

Perognathus longimembris panamintinus

Little Pocket Mouse

Hall (1946) 8 mi E Grapevine Pk, 5000 ft

7 mi E and 2 mi N Grapevine Pk 5100 ft

Checklist "Sage habitat at Harrisburg Flat"

Specimens collected:

Phinney Canyon Rd 30 May 79: 43, 53

[illegible] 124-69-19-6 10 ♀♀ 1 ♂ Harrisburg Flat, sandy soil, pinyon

[illegible] 126-72-19-6 5 ♂♂ 5 ♀♀ [illegible]

Titus Canyon Rd 2 mi W Mouth 3800 Ft. 24 Sept 1980

366. 129-74-19-6 7 ♀♀ 4 not reprod. gravel, Larrea

Perognathus parvus olivaceus Merriam

Great Basin Pocket Mouse

Hall (1946): 5 mi E and 1 mi N Grapevine PK 5500 ft

8 mi E Grapevine PK 5000 ft

2½ mi E and 1 mi S Grapevine PK 6700 ft

Checklist

Arenaria parvus.

[illegible] Ranch 6200 ft 7-10 July 1979

37. 168-15-24-10 — ♂ 1 on 3×5 rocky wash

[illegible] 181-12-24-9 — ♀ 1 on 2 sand rocky wash, sage

77. 167-39-24-8 12,8 qms ♀ no scat wash rocky wash, sage.

[illegible] Ranch 6200 ft. 16-17 Aug 1979

[illegible]

Mesa [illegible] 1-2 Sept 1979

38. 166-35-23-9 13,9 qms — wash, sage.

[illegible]

328 [illegible]-23-8 1 qms ♀ sand valley roadside, prairie.

329. [illegible]-22-7 12, 6 qms ♂ Ab 3×4 grave/sand, [illegible]

[illegible]

[illegible]

[illegible] Ranch Mesa Grapevine Pk 5600 ft 17 Sept 1980

355. 164-73-23-8 14 qms ♀ valley gravel, sagebrush

356. 165-106-24-10 20 qms ♂ Ab 3×4 valley gravel, sagebrush

357. 164-85-23-10 14 qms ♀ salmpod, valley/gravel, sagebrush

Perognathus formosus mohavensis Huey

Hall (1946) 7 mi E and 2 mi N Grapevine Pk 5100 ft

5 mi E and 1 mi N Grapevine Pk 5500 ft

Checklist: Grapevine Mtns.

Specimens collected:

Phinney Canyon Rd 30 May 79: #52 ?

Stovall Ranch 7-10 July 79: 89, 95, 97

" " 16-17 August 79: 140

Mexican Camp Rd 1-2 Sept 79: 250

Perognathus [illegible]

[illegible] Canyon Rd 5200 ft. Seismologic Station 20 May 1979
[illegible]

Magician Camp Rd. 5400 ft, 1-2 Sept 1979

[illegible]. 179-97-24-12 16.7 gms ♂ Ab 3x5 near boulder, grasses
[illegible]

[illegible]

[illegible] 174-95-24-11 17 gms ♂ scro 9x4 larrea
266. 180-96-23-11 17.0 gms ♂ Ab 8x5 larrea
[illegible]
[illegible] 182-105-25-11 16.1 gms ♂ scro 9x5 rocky, larrea
[illegible] 185-105-24-12 — ♂ scro 9x5 rocky, larrea
[illegible] 181-115-25-11 16.0 gms ♂ Ab 7x4 [illegible]
[illegible]
[illegible] 190-107-25-10 19.1 gms ♂ scro 7x5 sand, atriplex
[illegible] 104-23-11 18.2 gms ♂ scro 10x5 gravel, atriplex

[illegible]
[illegible]

Magician Camp Rd. 5400 ft 1-2 Sept 1979
[illegible] 189-108-25-12 19.1 gms ♂ Ab 8.5x2 [illegible]
[illegible] 196-109-25-12 16 gms [illegible] steep hill side, rocky, [illegible]

[illegible]
[illegible]

Kingsley 1980

Perognathus flavescens ♀ 2

Titus Canyon Rd 1 mi W Mus, 3800 ft, Larrea 24 Sept 1980

364. 183-102-25-12 2 ques ♂ Ab 5x3 chimney gravel, Larrea

365 186-104-23-12 17 ques ♀ not repr. gravel, Larrea

released 4

Titus Canyon Rd 4 mi W of Montgomery 4200 ft 25 Sept 1980

370. 166-94-23-10 15 ques ♂ Ab mixed shrub, wash, sand

371 188-107-24-11 18 ques ♂ Ab 4x2 mixed shrub, wash, sand

Eo ♂ 1980 Hoffigan Mine 4800 ft mixed shrub

383. 192-102-24-13 2 ques ♀ not lac Texas

388. 176-93-23-11 18 ques ♂ Ab

25 Oct 80 Titus Canyon Rd at Titanothere Canyon 4800 ft: Larrea - mixed.

399. 167-93-23-12 14 ques ♀ non-rep. rocky hill

25 Oct 80 Titus Canyon Rd Red Pass 5200 ft. Artemisia mixed

404. 175-95-23-11 15 ques ♀ non-rep. rocky cliffs

26 Oct 80 Titus Canyon Rd. 1/2 mi E of Leadfield 4400 ft Larrea. mixed

408. 184-109-23-11 16 ques ♀ non repro d.

411. 187-104-24-11 16 ques ♀ non repro d

11 Nov 1980 8 mi E Grapevine Pk 5000 ft. sagebrush

417. 189-106-23-11 26 ques ♂ Ab

419. 174-99-24-12 15 ques ♀ non-repro d

Cuigsley
1980

Paroquetinus formosus p3

18 Nov Titus Canyon 4000 ft rocky canyon, gravel wash

424. ♂Ab 187-101-25-12 17 qms

28 Nov 18 Route 5 milepost 24 wash and Mojave 1300 ft.

471. ♂Ab 186-100-24-12 19 qms

14 October 1979. 7 miles east and 1 mile north of Grapevine Pk 5200 ft

216. ♀ nonrep. 170-95-23-10 14 qms

Perognathus formosus formosus

Utah longtail Pocketmouse

Checklist: valley floor into mtns on E side of DV

Specimens: 0

Listed on checklist, but highly unlikely —
Hall & Kelson, p 491-492 show P.f. formosus
in Utah only, over 100 miles away,
with P.f. mohavensis filling all the space
across Nevada.

Dipodomys microps occidentalis Hall and Dale

Chisel-toothed Kangaroo Rat

Hall (1946) 7 mi E and 2 mi N Grapevine Pk 5100 ft

5 mi E and 1 mi N Grapevine Pk 5500 ft

Checklist "Harrisburg Flat"

Specimens collected:

Titus Canyon Rd 10 Mar 79: 13, 15,

Cuprite Well 31 Mar 79: 28, 31

Phinney Canyon Rd 30 May 79: 45, 46

Mexican Camp Rd 2 Sept 79, 16

DIPO

Diphthongs: multiple

Titmus Canyon Rd. 10 Mar 1979

13. 223-155-44-13 65.2gms ♂ Ab 7x6 [illegible]

15. 220-166-42-13 [illegible]

Currie Wash/ 31 March 1979

30. 265-174-48-12 [illegible] ♂ Ab 9x6 [illegible]

31. 262-170-48-13 65.5gms ♂ Ab 9x6 [illegible]

Pinney Canyon Rd. Drainage Station 30 May 1979 5200 ft.

44. 265-143-41-13 50.3gms ♀ lac 4 count [illegible]

45. 261-155-40-12 [illegible]

46. 265-160-[illegible]-12 [illegible]

Medicine Camp Rd. 5800 ft. 1-2 Sept 1979

162. 252-147-43-13 50.5gms ♀ w minor wt [illegible]

167.

168. 272-167-[illegible] ♂ Ab 3x4 [illegible]

167. 262-141-43-15 [illegible]

174. 261-[illegible] [illegible]

175.

180. 262-154-40-14 48.6 gms ♀ [illegible]

188. 258-150-42-13 [illegible]

Pinney Canyon Rd. [illegible] 5100 ft. 13 Aug 1979

217. 254-148-39-13 55gms ♂ Ab

219. [illegible]

237. 270-162-39-13 59gms ♂ Ab

242. 47.6 gms

254. ♀N 244-149-41-14 48gms

255. ♀N 264-160-41-14 48gms

♀ 2 only 17 mm

Titus Canyon Rd 2 mi W Nov Buddy 38:70 Ft 24 Sept

369. 270-154-44-13 58gms ♂Ab gravel, Lentra

8 mi E Grapevine Pk. 5000 ft. 11 Nov 1980

418. 275-164-42-13 59gms ♂Ab

422 249-148-40-15 46gms ♂Ab

released 6 total caught 8

Grapevine Canyon 3.7 mi E Scotty's Castle 21 Nov 1980

460 (245-137)-40-12 53gms ♂Ab tip of tail cut off by trap

461 ♂Ab 4x3 281-166-41-13 56gms

5 mi E 1 mi N Grapevine Peak 17 Sept

360. ♂Ab 242-141-40-14 46gms data only molting

1 Dec 1980 surprise springs ridgetop camp

490. ♂Ab 275-157-40-13 58gms

Dipodomys deserti deserti Stephens

Desert Kangaroo Rat

Hall (1946) Amargosa desert 20 mi SE Beatty

Route 5 milepost 10 Mesquite hummocks, sand 28 Nov 1980

469. ♂ Ab 300-186-50-17 89 gms

DIPODOMYS MERRIAMI MERRIAMI Mearns

Merriam Kangaroo Rat

Hall (1946) 8 mi E Grapevine Pk, 5000 ft

Checklist: "Dry sandy soil on the valley floor"

Specimens collected:

Titus Canyon Rd. 10 Mar 79: 16, 21

Cottle Well 31 Mar 79: 30,

Plumes Canyon Rd 30 May 79: 42

Diptocarpus: maximum

Titus Canyon Rd. 10 Mar 1979

16. 225-140-34-11 38.2 ques ♀ 3 cm & 10 cm sandwash

Scotty's Castle 31 Mar 1979

20. 230-140-38-12 36.7 ques ♀ loc. 2 scats similar, [illegible]

Hunter Canyon Rd. Escarpment Outlier - 5200 Ft. 30 May 1979

42. 252-143-37-12 43.2 ques ♂ Scro. 2x6 sandwash, sage

Mexican Camp Rd. [illegible] height = 14

159. [illegible]

160. [illegible]

170.

171. 215-132-37-14 21.6 ques ♂ Ab 4x3 wash, opuntia

172. 223-140-37-14 [illegible]

177. [illegible]

177. [illegible]

184. 213-130-37-14 24.6 ques ♀ [illegible] grass, succulents

185 (225) (141)-39-13 41.7 ques ♂ Ab 10x4 wash, sage

187. 240-145-39-14 [illegible]

15.

Pleasant Canyon Rd. [illegible]

210. [illegible]

211. [illegible]

214. [illegible]

215. [illegible]

237. ♂ Ab 241-141-35-12 35 ques

Limpet Lagoon Rd. Archaeological Station. 5200 ft. 13-14 Oct 1979

235. 38.1 stony gravelly, sage flat

243. ♀2s 211-125-35-12 35 qms

Willow Spring Rd. 23-24 Nov 1979

244. 34.1 qms desert pavement, Folsom

245 34.2 qms " "

246. 39.9 qms desert pavement, graving

247. 37.5 qms " " Lottia

248. 32.4 qms " " Gravia

249. 42.5 qms " " Lottia

250, ♂Ab 227-138-38-12 42.0 qms " "

251. 41.9 qms " Folsom

252. 35.9 qms " Lottia

253, ♂Ab 246-152-37-12 38 qms " "

257. 30.6 qms sandwash, Gravia

258. 35.9 qms sandwash Splendra

260. 34.8 qms sandwash Folsom

261. 38.7 qms sandwash, Hymenoclea

262. 36.7 qms " "

263. 39.3 qms " Splendra

Scully's Ranch area. 3 April 1980

299, 227-138-37-12 41 qms Stone Bowl sandwash, Nitrophila

300. 245-143-38-14 33.1 qms & 2 scrs not loc. sandwash, Lottia

Collected 7

Dipodomys merriami. p.3

Valley Floor. Atriplex hymenelytra Pass. 4 Apr 1980
mi report 4
303. 230-138-36-14 ♀lac 25 33qms bare ground, gravel
304. 222-136-37-13 36.8qms ♀s=15 gravel sand, Atriplex

Valley Floor Mesquite Hummocks
veto report mi. p.7. 4 Apr 1980
305. 239-145-35-15 ♂sero 9x5 34qms mesquite, Atriplex

Tilting Canyon Rd [illegible] 5 June 1980
306. 248-145-28-4 41qms 3sero1ac7 gravel silt, Creosote
bush and mixed

Scenic Tank Rd 3½ mi NE Stroud Tank 6 July 1980
322. 225-135-36-13 25qms ♀ young ridge, [illegible]

[illegible]
362. 231-141-37-15 [illegible]
[illegible]

Tilting Canyon 2 mi W Mesa Entry 3 pm Harris 24 Sept 1980
362, 240-139-37-13 41qms ♀25. ustlac. gravel, Harris
363. 238-146-37-14 41qms ♀4s ustlac gravel, Harris
and 15 released

McDonald Spring 30 TOAT overcast 6 Oct 1980
376. 244-147-36-13 38qms ♀ worn rep 10.

Kingsley 1980

Dipodomys merriami p. 4

7 Oct 1980 Hooligan Mine 4800 ft.

390. ~~385~~ ♂Ab 236-145-35-12 data only

25 Oct 1980 Titus Canyon Rd at Titanothere Canyon 4800 ft Larrea

397. 255-149-37-13 37 gms ♂Ab

26 Oct 1980 Titus Canyon Rd ½ mi E. Leadfield 4400 ft larrea

none caught 119 trap nights in ? habitat

11 Nov 1980 8 mi E Grapevine Peak 5000 ft sagebrush

caught 5 kept 2

414. 254-157-37-16 40 gms ♀

421. 240-150-37-11 30 gms ♀ no scars

30 Nov 1980 Rt 5 milepost 26.5 bajada-larrea

478. ♂Ab (193-98)-36-12 34 gms

30 Nov 1980 Rt 5 milepost 30.1 bajada-larrea

480. ♀N 242-141-37-11 26 gms

481. ♀S 227-132-35-11 30 gms

7 released

1 Dec 1980 Surprise Springs ridgetop

491. ♀ non reprod. 226-131-37-12 33 gms

492. ♂Ab 232-140-36-13 30 gms

2 released

Reithrodontomys megalotis megalotis (Baird)

Western Harvest Mouse

Hall (1946) 2½ mi S and 1 mi S Grapevine Pk. 6700-7000 ft

checklist: well-watered areas: Salt Creek, Furnace Ck.,

Hanaupah Canyon, Wildrose.

Specimens collected:

Strozzi Ranch 12 June 1979 #62

Phinney Mine (shaft) # 100

Phinney Spring #125, 126

Mexican Camp Rd; 189

79

208. 134-64-16-15 12 qms ♀ non rep. captive 1 yr.

8 mi E Grapevine PK 5000 ft. Sagebrush 11 Nov 1980

416. 139-70-18-17 9 qms ♂ Ab stony wash

Peromyscus eremicus eremicus (Baird)

Cactus Mouse

Checklist: higher elevations in Grapevine Mtns.

Hall (1946) "from base of Grapevine Pk...

2½ mi E and 1 mi S Grapevine Pk 7000ft

Mammalian Species No 118

P. eremicus

Peromyscus crucinus

Scott's Ranch 18 Feb 1979

1. 181-89-21-19 — ♀ no ears notched
3. 165-95-21-20 20.5 gms ♂ Ab 6×4
4. 180-96-19-20 20.1 gms ♀ 4 scars
8. 161-91-19-18 17.5 gms ♂ Ab 6×6
9. 173-83-19-15 21.7 gms ♀ 3 scars lac.
10. 186-98-19-20 19.5 gms ♂ Ab 5×4
11. (145)-(62)-19-18 19.3 gms ♂ Ab 6×4

Scott's Ranch 1 April 1980

272. 167-89-20-18 18.8 gms ♀ lac, 4 scars riparian, vitis
274. 136-95-21-20 23 gms ♀ 3 scars oxalis, Pluchea, stream
276. (162)-(74)-22-20 23.2 gms ♂ scro. stream, pluchea
277. 192-99-22-20 24.1 gms ♂ scro 10×6 stream, Pluchea
281. 190-[illegible]-21-22 25.1 gms ♀ lac 4 scars stream, Pluchea
282. 195-110-21-23 20.5 gms ♂ scro 11×6 " "
284. [illegible] 18.2 gms ♂ scro [illegible] stream, vitis
285. 177-94-20-20 24.6 gms ♂ scro 10×6 stream, vitis
286. 167-97-21-19 23.1 gms ♂ Ab 7×5 stream, vitis
287. 174-90-21-20 21.1 gms ♂ scro 10×5 " "
291. [illegible] 21.3 gms [illegible] stream, Pluchea
292. 188-97-22-21 23.2 gms ♀ 3 scars 3 mm [illegible], Atriplex
294 [illegible]-103-21-21 29.4 gms ♂ scro 12×7 stream, oxalis
295 184-92-21-20 25.3 gms ♀ lac 3 scars 4 emb stream, oxalis
296. 195-93-21-20 [illegible] gms ♂ scro 11×7 stream, oxalis
297. [illegible]-[illegible]-22-20 26.6 gms ♀ lac 3 scars 2 mm stream, vitis
298. [illegible]-[illegible]-21-20 21.9 gms ♂ scro [illegible] stream, [illegible]
[illegible] [illegible] [illegible]

Panamint Valley [illegible]

Titus Canyon Rd, from [illegible] 5 June 1980

307. 192-101-21-20 3 [illegible] 5'Scc 1297ft rocky, [illegible]

310. 162-75-20-19 25 qms [illegible] rocky, [illegible] creosote and [illegible]

Titus Canyon Rd 2 mi W of Meadows 3800 ft. barren 24 Sept 1980

367. 180-100-20-20 16qms ♂Ab 5x3 gravelly

368. 168-92-21-20 15qms ♂Ab 2x4 gravelly

Titus Canyon Rd. 4 mi W of Meadows 4200 ft. mixed shrub 25 Sept 1980

372. 171-101-20-20 15qms ♀ non-repro. wash

373 181-93-21-20 16qms ♀ non-repro pavement-gravel

McDonald Spring 5600 ft explored 5 Oct 1980

375. 175-96-18-19 17qms ♂Ab spring wash

Hodigan Mine 4800 ft mixed shrub 6 Oct 1980

385. 183-94-20-20 19qms ♀ not lactating [illegible]

387. 177-86-19-20 20qms ♂Ab

389. 172-86-21-21 19qms ♂Ab

Titus Canyon Rd at Titanother Canyon 4800 ft 25 Oct 1980

394. 170-84-19-19 19qms ♂Ab

395. 179-94-21-21 18qms ♂Ab

Titus Canyon Rd ½ mi E of Leadfield 4400 ft 26 Oct 1980

407. 182-93-20-19 19qms sex?

410. 190-101-20-20 17qms ♂Ab

Peromyscus eremicus p.3

Titus Canyon Rd at "Entering Titus Canyon" 4000 ft 18 Nov 1980

426. 174-90-20-20 19 ques ♂ Ab molting (post juv.)

427. 173-89-20-20 19 ques ♂ Ab

Grapevine Canyon 1 mi E Scottys Castle 20 Nov 1980

443. ♂ Ab 178-94-20-20 20 ques molting

444. ♂ Ab 178-91-20-21 19 ques

445. ♂ Ab 182-95-20-20 21 ques skel to CL Douglas

446. ♀ non rep. 177-90-20-20 19 ques skel to CL Douglas

450. ♀ lac 3 scars 191-104-19-20 21 ques

451. ♂ Ab 182-96-20-20 21 ques

454. ♂ Ab 184-95-20-21 21 ques molting

448. ♂ Ab 3.5x2 174-92-20-20 19 ques

Grapevine Canyon. Cottonwood Cove. 1 mi W Scotty's Castle 21 Nov 1980

463. ♀ non rep. 179-91-20-21 20 ques molting

466. ♀ non rep. 182-93-20-21 19 ques molting

Peromyscus maniculatus sonoriensis (LeConte)

Deer Mouse

Checklist: Valley floor and mountains

Hall(1946): 7 mi E and 2 mi N Grapevine Pk 5100 ft; 5 mi E and 1 mi N Grapevine Pk 5500 ft; 8 mi E Grapevine Pk, 5000 ft; 2½ mi E and 1 mi S Grapevine Pk 7000 and 6700 ft

Specimens collected:

Titus Canyon Rd 10 Mar 79: 14, 17, 18, 19, 20, [redacted]

Currie Well 31 Mar 79: 22, 24, 27, 34, 37, 38, 40, 41

Phinney Canyon Rd 30 May 79: 58, 50, 48

Strozzi Ranch 12 June 79: 61, 63, 64, 66-73,

Phinney Mine Shaft 25-27 June: 74, 77, 80, 81, 86

21-24 July:

Grapevine Peak 23 July 1979: 116-124

Strozzi Ranch 7-10 July 1979: 87, 88, 92, 95, 96, 98, 99

Phinney Mine Shaft 19-20 July 1979: 101, 104, 105, 106

En route to Grapevine Pk, 21-22 July, 107, 108, 110-112, 114-115

Grapevine Peak 22-23 July: 116-124

Phinney Mine + Spring 4-5 Aug: 127, 128

Sage Valley 5-6 Aug: 130

Strozzi Ranch 16-17 Aug: 138, 139, [illegible]

[illegible]

[illegible]

Grapevine Pk 15 Sept 1980

P. MANIC.

Parmigiano mountainbird

Tirano Campocologno Sat 30 Nov 19

Mixed a

14. 152-30-19-20 3.3 sq mm ♀ 3 mm 18 mm rocky hillside
12. 120-42-18-7 11.2 sq mm ♂ A6 2x5 rocky hillside
18. 147-54-18-13 18.8 sq mm ♂ A6 10x4 scrub
14. 148-63-19-17 17.8 sq mm ♂ 2 mm 10x6 scrub
20. 150-61-19-17 2.6 sq mm ♀ 2 mm 3 mm scrub

Grosotto Sat 1 Dec 19

22. 155-34-17-17 16.8 sq mm ♂ 7 mm 9x5 [illegible]
24. 139-34-19-14 12.0 sq mm ♂ A6 6x4 [illegible] rocky hillside
27. 144-64-19-19 17.6 sq mm ♀ 4 mm 8 mm [illegible] [illegible]
34. 145-66-17-19 18.9 sq mm ♂ A6 9x5 [illegible]
37. 145-66-18-16 15.4 sq mm ♂ 2 mm 7x5 [illegible]
38. 143-63-19-16 17.5 sq mm ♂ A6 9x5 rocky [illegible]
40. 148-60-20-16 11.9 sq mm ♂ 3 mm 6x5 [illegible]
41. 147-61-19-15 13.8 sq mm ♂ A6 7x4 rocky hilltop, [illegible]

Piazzo Campocologno Cattaneo below Sc Gaudenzio Campocologno

48. 131-57-18-16 11.0 sq mm ♂ A6 7x3 small, [illegible]
50. 150-62-20-18 16.5 sq mm ♂ 2 mm 8x5 rocky hilltop, [illegible]
58. 129-58-18-13 16.4 sq mm ♂ A6 4x3 rocky, [illegible]

Chiesa Rancio 12 June 1979 Pinzon

61. 148-68-20-17 19.6 sq mm ♂ 3 mm 9x5 stream
62. 143-63-19-16 16.8 sq mm ♂ 2 mm 8x4 [illegible]
64. 140-67-21-11 11.1 sq mm ♂ 2 mm 8x4 rocky hillside
66. 146-62-20-17 [illegible] sq mm ♂ A6 7x4 stream
67. 142-69-19-16 22.0 sq mm ♀ 4 mm 12 mm [illegible]

Peromyscus maniculatus g. [illegible]

Stream Route 12 June 1977 Pinyon

68. 122-[illegible]-19-15 15.6 gms ♀ woodrat scat stone pile

69. 136-58-18-16 11.5 gms ♂ Ab. 3 x 2 brush pile

70. 139-64-13-16 12.6 gms ♀ woodrat scat [illegible]

71. 15[illegible]-[illegible]-13-15 12.5 gms ♀ woodrat scat spring, willows

72. 129-6[illegible]-19-16 11.8 gms ♂ Scro 8 x 4 rocky, sage

73. 158-70-19-17 20.3 gms ♂ Scro. 9 x 5 spring, willows

Pinyon

74. 172-68-20-17 [illegible] ♂ Scro 8 x [illegible] [illegible]

77. 157-69-19-18 — ♂ Scro 12 x 7 rocky, pinyon

80. 130-64-17-14 11.6 gms ♀ woodrat scat sage

81. [illegible] 13.6 gms ♂ Ab. 3 x [illegible] rocky, [illegible]

82. 152-67-17-17 — ♀ lac 4 scars rocky, sage

83. [illegible] 20.8 gms ♀ lac 6 scars sandy, sage

84. 141-66-18-18 15.4 gms ♂ Scro 9 x 5 rocky, sage

85. 143-65-18-17 15.7 gms ♂ Scro 7 x 5 rocky

86. 165-72-[illegible]-17 — ♂ Scro 8 x [illegible] [illegible]

Pinyon

87. 128-[illegible]-21-21 — ♂ Scro 8 x [illegible] rocky, sage

88. 134-56-20-18 — ♂ woodrat scat rocky, sage

91. 152-58-21-19 — ♂ Ab 7 x [illegible] rocky, [illegible]

92. 153-[illegible]-[illegible]-21 — ♂ [illegible] rocky, sage

93. — ♂ [illegible] scars [illegible]

94. [illegible] — ♂ [illegible] [illegible]

95. [illegible] — ♂ [illegible] [illegible]

96. [illegible] — ♂ [illegible] [illegible]

97. [illegible] [illegible] ♂ [illegible] [illegible]

98. [illegible] [illegible] ♂ Scro [illegible] rocky, sage

Pinyon

101. [illegible] — [illegible] [illegible]

102. [illegible] — [illegible] [illegible]

103. [illegible] — [illegible] [illegible]

104. [illegible] — [illegible] [illegible]

105. [illegible] — [illegible] [illegible]

106. [illegible] — [illegible] [illegible]

Pinyon

Kiowa Peak area Pinyon Mine & Grapevine Pk 21-22 July 1979 7840 FE.

107. 52-67-20-19 — ♀ no ear, no scut rock outcrop

108. 148-62-20-20 — ♂ solid black rock outcrop

109. [illegible] — [illegible] [illegible]

111. 141-65-21-19 — ♂ solid 11x6 rocky, pinon

112. 145-54-20-18 — ♀ lac 4 scars under pinon

114. 155-61-20-19 — ♀ 4 scars rock outcrop, pinon

115. 160-58-21-19 — [illegible] [illegible]

Grapevine Peak, 22-23 July 1979 Pinyon

116. 149-58-21-18 — ♀ lac 4 scars [illegible]

117. 153-69-20-20 — ♂ [illegible] [illegible]

118. [illegible] — [illegible] [illegible]

119. 149-64-21-20 — ♀ lac 4 scars [illegible]

120. 153-60-21-19 — ♂ [illegible]

121. [illegible] — [illegible]

122. 121-63-20-20 — ♂ solid 12x6

123. [illegible] — [illegible]

124. 163-58-19-18 — ♂ solid 12x6

Pleasant Mtns. - Friday — 3 Aug 1979 Finyon

127. 153-66-20-19 — ♂ Ab 5x5 roadside, sage

128. 25-62-21-20 — ♂ Ab 3x3 valley, willows, mine

Finyon

Tempest 6800 ft. 2 3 mi E and 1 mi N Grapevine Pk 5-6 Aug 1979

130. 151-64-20-20 — ♂ Ab 4x4 valley, weeds

Finyon

Tempest Ranch 16-18 Aug 1979

138. 148-60-20-19 17.8 gms ♀ Ab 4x4 Stem gravel wash, sage

139. 157-[illegible]-20-18 18.3 gms ♂ scop 10x6 sandy roadside, sage

141. 145-56-20-19 [illegible] roadside, sage

142. 148-61-20-19 15.3 gms ♂ Ab 5x3 roadside, sage

143. 156-79-20-19 19.7 gms ♂ scop 9x5 gravel wash, sage

144. 153-77-21-17 22.2 gms ♂ scop 12x6 ridge, pumice

147. 159-62-20-18 [illegible] [illegible]

Tempest Camp Rd. 1-2 Sept 1979 5700 ft. Sagebrush

158. 153-59-20-16 13.7 gms ♀ 4 scort roadside, gravel, sage

164. 148-64-20-18 [illegible] ♀ Lem [illegible]

178. 155-64-19-17 12.5 gms ♂ [illegible]

190. 151-61-19-17 [illegible] ♀ Lem [illegible]

191. 157-[illegible]-19 [illegible] [illegible]

194. [illegible]-19 14 gms [illegible]

196, 198. [illegible]-21-18 16 gms ♂ Ab 3x3 [illegible]

197. 151-63-20-19 [illegible] [illegible]

197. ♀

202. 153-[illegible]-18 18.8 gms ♂ scop [illegible]

Peromyscus maniculatus (cont'd) pk

Grapevine Pk Basecamp 15 Sept 1980 pinyon

344 155-73-21-19. 31 qms ♀ lac 4mm b 5mm Pikes, talus

345 149-63-20-18 18 qms ♂ scro 9x5 dead pinyon, duff

346 (142)-(64)-20-20 20 qms ♂ scro 10x6 Juniper, duff. Debris

347 150-68-18-19 NLW ♀ nor mes sonic limber, duff, Debris

5 mi E 1 mi N Grapevine Peak 5000 ft 17 Sept 1980 sagebrush

349 ♂ Ab 8x5 139-64-20-19 16 qms

Hooligan Mine 4800 ft 1 Oct 1980 Mixed #1

384 162-72-21-19 20 qms ♂ Ab rocky hill

Titus Canyon Rd. at Titanothere Canyon 4800 ft Larrea - mixed

25 Oct 1980

396 144-68-19-19 15 qms ♂ Ab gravel bench

8 mi E Grapevine Pk 5000 ft sagebrush 11 Nov 1980

420 151-66-20-20 16 qms ♂ Ab only 1 caught in 111 trap nights

Peromyscus crinitus stephensi Merriam

Canyon Mouse

Checklist: surrounding mountains and rocky canyons

Hall (1946): 7 mi E and 2 mi N Grapevine Pk 5100 ft

5 mi E and 1 mi N Grapevine Pk 5500 ft. 2½ mi E and 1 mi S Grapevine Pk 7000 ft.

Specimens collected:

~~Scotty's Ranch 18 Feb 79: #1, 3, 4, 8, 9, 10, 11,~~

Currie Well 31 Mar 79: 23, 25, 26, 29, 32, 39

Phinney Canyon Rd 30 May 79: 57, 51

Ctrozzi Ranch 16-17 Aug 79: 127, 145

Phinney Canyon Rd 13-14 Oct 79: 209, 212

P. crinitus

Peromyscus crinitus

Carrizozo 31 [illegible] 1977

23. 151-82-18-15 12.3gms ♀ no embryos rocky hillside, sage
26. ♂ scro 8x5 flat, sage.
26. 150-78-18-18 15.6gms ♀ 9 scars lac cuttes, sage
29. 155-78-18-16 13.5gms ♂ Ab. 7x4 rocky hillside, sage
32. 159-91-19-17 15 gms ♂ Ab 7x4 gravelly hillside, sage
39. 157-85-18-17 13.4gms ♀ recent weaned rocky, sage

Phinney Canyon N.M. [illegible] Zuñi 1977

21. 163-84-20-16 12.8gms ♂ scro 9x5 rocky, sage
27. 185-100-21-18 17.4gms ♀ lac. 4 emb 9mm rocky, sage

Stanzi Ranch 16-17 Aug 1977

137. 167-90-20-18 13.3gms ♂ scro 9x5 big rock, purshia
148. 156-81-20-19 12.8gms ♂ scro 10x5 rocky, juniper
149. 167-88-20-20 14.4gms ♀ no embryos rocky, sand juniper

Phinney Canyon (N.M. [illegible]) 18-19 Oct 1979

209. [illegible] sandy gully, purshia
212. 158-86-20-19 12gms ♀ non-rep sandy, purshia
218. 149-84-19-19 12gms ♀ non-rep sandy, sage
225. [illegible] sage flat
227. 164-88-19-20 14gms ♂ Ab 3x5 "
228. 167-86-19-19 14gms ♀ not lac, 4 scars "
231. "
240. 148-80-19-19 12gms ♀ non rep. juv. molting
221. 164-89-19-18 13gms ♀ non-rep. gravelly, purshia

Peromyscus boylii yi.

Scotty's Ranch 1 April 1980

267. 162-84-19-18 16.7 gms ♀ 3 embs 15 mm rocky, Larrea

270. [illegible] 18.2 gms ♂ [illegible] rocky, LARREA

275, 173-93-20-20 15.0 gms ♀ stream, Pluchea

293, 163-85-20-19 17.1 gms ♀ Hemi testes 4 mm dry wash, Baccharis

Titus Canyon Rd. 5200 Ft. 5 June 1980

309. 173-93-20-19 14 gms ♂ Scro 10x5 g rocky rocks, large

311 143-77-17-17 10 gms ♂ Ab 4x3 small talus, large

Titus Canyon Rd. [illegible] 1 July 1980

327. 161-87-[illegible] 15.3 gms ♂ Elec testes, [illegible]

5 mi E and 1 mi N Grapevine Ranch 5[illegible] Ft. 17 Sept 1980

352. 162-99-19-18 13 gms ♂ Ab 3x5 sagebrush, large rocks, talus

353. 153-85-18-18 11 gms ♀ not repred. sagebrush, large rocks, talus

351

Hanigan Mine 4800 Ft 25 Oct 1980

386. 162-88-19-20 13 gms ♂ Ab molting rocks, talus

Titus Canyon Rd. Red Pass 5200 ft rocky Artemesia-mixed 25 Oct 1980

403. 153-82-19-18 12 gms ♂ Ab

402. 168-88-20-19 14 gms ♀ not lac 4 scars

Titus Canyon Rd at Titanothere Canyon 4800 ft. 25 Oct 1980

392. 158-85-19-19 12 gms ♂ Ab

393. 156-86-19-19 11 gms ♂ Ab

Titus Canyon Rd 1/2 mi E of Leadfield 4400 ft 26 Oct 1980

406. ♂Ab. 156-85-19-17 11qms

Titus Canyon Rd. "Entering Titus Canyon" 4000ft 18 Nov 1980

428. 163-87-19-19 12qms ♂Ab

429. 174-90-19-20 12qms ♂Ab

Titus Canyon Klare Spring 19 Nov 1980

431. ♂Ab 155-81-19-20 10qms

432. 151-80-19-20 9qms ♂Ab molting

435. 178-98-20-20 13qms ♂Ab

Titus Canyon 3.1 mi W Klare Spring 2000 ft 19 Nov 1980

436. 171-90-19-18 13qms ♂Ab

437. 189-100-20-20 14qms ♀ 5 scars

~~Titus Can~~ Grapevine Canyon 1 mi E Scotty's Castle 20 Nov 1980

438. ♂Ab 165-89-19-20 12qms

439 ♂Ab 3x2 170-92-20-19 11qms

440. ♂Ab 162-90-19-20 12qms

447 ♂Ab 152-83-19-19 11qms

449. ♂Ab 153-82-20-20 12qms

452. ♀N 161-82-19-20 13qms skel. only to CL Douglas

453. ♂Ab 159-86-19-19 11qms skel only to CL Douglas

455. ♂Ab 159-80-19-19 10qms

Peromyscus crinitus p. 4

Grapevine Canyon 3.7 mi E Scotty's Castle 3700 ft. 21 Nov 1980

458. 161-90-19-18 11 gms ♀ non-rep.

459. 145-83-18-18 11 gms ♂ Ab rocky, Larrea

Grapevine Canyon. Cottonwood Curve. 1 mi W of Scotty's Castle 3700 ft. 21 Nov 1980

462. 172-88-19-20 13 gms ♀ non-rep. rocky hillside, Larrea

464. 158-86-20-18 13 gms ♂ Ab

Route 5 milepost 10. Mesquite hummocks. 27 Nov 1980

468. ♀ nonrepro 161-89-18-19 12 gms

Route 5 milepost 14. Stony bajada 28 Nov 1980

470. ♀ nonrepro. 157-87-19-19 9 gms

Route 5 milepost 24. Wash and bajada 28-29 Nov 1980

472 ♀ nonrep. 163-91-20-20 10 gms

473 ♀ nonrep. 165-90-20-20 10 gms

474 ♂ Ab 164-89-20-20 9 gms

475 ♀ 25 164-89-20-20 11 gms

9 released.

Route 5 milepost 26.5 bajada-Larrea 30 Nov 1980

476 ♀ non-rep. 155-87-20-19 10 gms

477 ♂ Ab 155-83-20-20 11 gms

3 released

Peromyscus crinitus p. #5.

1 Dec. 1980 Surprise Springs rocky ridgetop

485. ♂ Ab 161-81-20-21 13 gms

486. ♀ nonrep. 162-86-20-20 10 gms

493. ♀ nonrep 158-81-20-19 12 gms

489. ♀ not lac 3 scars 151-83-19-19 11 gms

and 2 released

Peromyscus truei truei (Shufeldt) Piñon Mouse

Checklist: rocky areas in pinyon-juniper belt

Hall: 5 mi E and 1 mi N Grapevine Pk 5500 ft;
8 mi E Grapevine Pk 5000 ft; 2½ mi E and 1 mi S
Grapevine Pk (7000 ft)

Specimens collected:
Strozzi Ranch 12-[illegible] June 1979: #65
Phinney Mine Shaft 25-27 June: #75, 76, 78
Strozzi Ranch 7-10 July 79 #93, 94
En route to Grapevine Pk 21-22 July #109, 113
Strozzi Ranch 17-18 Aug 79: 151

reported at Scotty's Ranch - C.L. Douglas 1-♀- 1 Nov 1975
reported on study area - T. O'Farrell

P. TRUEI

✓ 55. 191-93-21-25 25.0 gms ♀ loc 3 mile E rim stream with ✓

✓ 73. 38-86-16-27 18.5 gms ♀ ad. rocky, alder, willow
✓ 74. 119-91-22-26 21.0 gms ♀ ad. rocky, alder, willow
juv. 78. 162-81-21-22 18.5 gms ♀ ad. rocky, alder, willow

✓ 72. 186-80-21-27 — ♂ ad. 12x7 rocky, juniper
✓ 74. 192-87-22-26 — ♂ ad. 12x7 rocky, juniper

21-22 July 1979 8000 ft.
173. 169-82-23-25 — ♂ Ad. 8x5 rocky, alder, willow
13. 172-83-24-27 — ♂ Ad. 8x5 slope, rocky, willow

✓ 161. 82-86-25-29 ♂ juv. 8x5 valley, meadow, willow

✓ 11. 164-88-23-27 ♂ ad. 8x5 rocky, meadow, willow

✓ 165. 165-88-24-28 24.5 gms ♀ worn 5 molt rocky, outcrop ✓

204. (160-73)-22-27 24 gms ♂ Ad kept alive 1 yr.

Onychomys torridus longicaudus Merriam

Southern Grasshopper Mouse

Checklist: throughout DV below 5,500 ft.

Hall (1946): 5 mi E and 1 mi N Grapevine Pk 5500'

8 mi E Grapevine Pk 5000'

Mammalian Species No 59

Onychomys torridus

Hoplcam Canyon Rd, 2 Sept 1979

157. 131-48-19-16 14.1 qms ♀ N

168. 115-41-20-[illegible] 12.6 qms ♂ A roadside, sage

179. 116-43-21-12 14.5 qms ♂ A gravel wash, sage

193. 117-45-23-12 13.2 qms [illegible] gravel wash, sage

Phinney Mine Rd. Cowhole Spring 26 Oct 1979

230. 123-45-21-16 13.8 qms ♂Ab 2x1 gravel, sage

226. 123-44-20-17 19.1 qms ♂Ab 8x4 sage flat kept captive

234. sage flat

236 sage flat

Willow Spring Rd. 23-24 Nov 1979

256. ♀ nonrep. 120-45-18-17 14 qms gravel wash Hymenoptera

Streambank Rd. [illegible] Stream bank 7 Nov 1980

[illegible] 130-15-20-18 [illegible]

Strozzi Ranch Rd. 1½ mi NE Strozzi Ranch 7 July 1980

330. 131-46-19-18 [illegible]

Titus Canyon Rd at Titanothere Canyon 4800ft Larrea-mixed 25 Oct 80

398. 120-46-19-18 16 qms ♀ not lac soldscars gravel wash

8 mi E of Grapevine PK 5000ft sagebrush 11 Nov 1980

415. 133-48-20-18 13 qms ♂Ab gravel flat

Onychomys torridus

5 mi E and 1 mi N Grapevine Pk 5500 ft sagebrush 17 Sept 1980

358. 134-46-19-19 16 gms ♀ non-reprod. molting

Neotoma lepida lepida Thomas

Desert Woodrat

Checklist: from salt marshes into surrounding mountains.

Hall: 5 mi E and 1 mi N Grapevine Pk 5500 ft; 8 mi E Grapevine Pk 5000 ft; 2½ mi E and 1 mi S Grapevine Pk.

Specimens collected:

Scotty's Ranch 18 Feb 79: 5, 6, 7,

Currie Well 31 Mar 79: 33, 36,

Phinney Canyon Rd: 30 May 79: 49, 55, 56, 47,

Phinney Mine 20 July: caught tail, not kept

Phinney Mine 4-5 Aug 79 #129

Canyon, rock outcrop 6 Aug 79 #131

Mexican [illegible] Rd 1-2 Sept: 201

Phinney Mine Rd 12-14 Sept 79 #212

NEOTOMA

Newberry Caldera

Skeleton Ranch 18 Feb 1979

6. 263-115-31-26 76.5 sq mi Ab 14x9

7. 275-120-31-06 115.7 sq mi Ab 18x8

Fort Rock 20 Mar 1979

25. 301-[illegible]-30-[illegible] No Name [illegible] [illegible]

26. 278-117-[illegible]-20 100.6 sq mi Ab 16x10 rocky hilltop, volcanic

Prineville Reservoir Station 30 May 1979

47. 272-111-21-27 86.7 sq mi Scr 10.12x6 sandy wash, sage

49. [illegible] 78.7 sq mi Sc 6x3 rocky hilltop, sage

52. [illegible] [illegible] [illegible]

53. [illegible] 105.6 sq mi Ab 13x5 rock pile

Prineville Reservoir [illegible]

Prineville Reservoir [illegible]

127. [illegible] [illegible]

[illegible]

[illegible]

Newberry Caldera [illegible]

[illegible] 262-118-13-11 [illegible]

Neotoma lepida p.2.

Plumley Canyon Rd. Seismologic Station. 12-14 Oct 1979

213. [222-107]-28-30 143 gms ♂Ab rocky outcrop, west of ridge

data only

[illegible] 31-Mar - 2 April 1980

[illegible]

289, 255-112-30-30 121.2 gms ♀ lac 3 emb 35 x 35 mm, pinched

Titus Canyon Rd 4 June 1980

[illegible]

Rock outcrops along Plumley Mine 20 June 1980

[illegible] in which lived live and dead

middens developing in cracks among rocks.

Stovall Ranch Rd 3 miles from Hwy 5 July 1980

320, 214-85-30-27 47 gms ♂Ab 3x1 granulomas, adhesions

[illegible]

334, 254-109-30-31 89 gms ♀ nonpregnant no embs

[illegible]

Titus Canyon Rd Red Pass 5200 ft 25 Oct 1980

400 ♂Ab 9x4 254-118-30-30 88 gms

401. ♀ worn ep. 249-113-29-30 89 gms

Neotoma lepida p3

nests seen at Leadfield and ½ mi N Leadfield
26 Oct 1980

Titus Canyon at "entering Titus Canyon" 4000 ft 18 Nov 1980
425. 265-120-31-33 88ques ♂Ab

Titus Canyon at Klare Spring 19 Nov 1980
430. ♀ nonrep. 255-116-28-29 76ques
434. ♀ nonrep. 265-116-27-32 86ques

Grapevine Canyon 1 mi E Scotty's Castle 20 Nov 1980 3100 ft
456. ♀ nonrepro. 280-138-29-32 87ques riparian
457. ♂540 6x12 281-124-30-32 135ques

Grapevine Canyon 3.7 mi E Scotty's Castle 21 Nov 1980
nests seen but none caught

Grapevine Canyon, Cottonwood Centre, 1 mi W Scotty's Castle
21 Nov 1980. 2700 ft.
465. 260-119-29-30 89ques ♂Ab

nests & middens at Mesquite area mi Leport 6 28 Nov 1980
nests present but none caught m.p. 16 28 Nov 1980

Surprise Springs. Rocky Ridge. 2800 ft. 1 Dec 1980
487. ♀ nonrep. 262-120-30-32 86 ques
488. ♀ nonrep 248-115-30-30 88 ques bottle lava in rock

Neotoma lepida

30 Nov 1980
Calif. Inyo Co. Death Valley N.M. Grapevine Mtns.

Route 5 milepost 26.5. rocky wash Larrea 1700 ft

479. ♂ Ab 255-122-30-31 78 gms

Canis latrans

Coyote

mammalian species No. 79

heard at DRI trailer 18 Feb 1979

saw 1 7 July 1979 along road to Strozzi Ranch

saw 1 2 Sept 1979 along road to Mexican Camp

saw 1 (eating breakfast, a dead cow) along road to MacDonald Spring 1 Jan 1980

saw 1 near campsite on Phinney Canyon Rd 14 Oct 1979

saw 1 near Willow Spring 23 Nov 1979

found skull # 265 at MacDonald Spring 30 Dec 1979

21 Aug 80. heard 2 or 3 about 1/2 mi from camp and saw 5-10 piles of scat within 1 mi of all spring tracks and scat at Willow Spring 22 Aug 80 #198

sign at spring # 196 (Welles 1959 - Springbook)

" " " 192 "

" " " 195 (and Springbook)

abundant sign 197A (Sanchez 1975 Springbook)

sign at spring 204 (Welles 1959)

sign at spring 206 (Lemon 1978)

sign at spring 216 (Welles 1959)

Filmed at Hole-in-the-rock spring

Much scat at springs 237A and 238 28-29 Nov 1980

Vulpes velox macrotis
Kit fox

Saw one at roadside, 19 Jan 1980. Road from 1 mi N of Springdale, across Sarcobatus Flat. Outside monument about 2 mi.

Diggings en route to Cottonwood Spring 23 Aug 80

Mammalian species #123

SEE notes 27-30 Nov 1980

Bill Dunn saw 1 crossing highway 5, m.p. 0.5
15 Jan 81 5:30 pm.

Urocyon cinereoargenteus

Gray Fox

saw one at Briar Spring 8 July 1979

saw one at Pass above Phinney Mine

19 June 1980.

27 Oct 1980 tracks in snow near Doe Spring

Bassariscus astutus

Ring-tail

Remains, consisting of ~~the~~ two pieces of tail, found in Titus canyon, 19 Jan 1980, in a very rocky small side canyon, approx 2 mi. N~~W~~ of Titus canyon Rd. #264 no other obvious signs.

250 ± 5 cat at Red Pass ??

Badger Taxidea taxus

4 Sept 80 Bill Dunn reported seeing one crossing road near Mud Canyon sign.

Mammalian species No 26

23 Sept 80 Diggings and scat ? at trapping area along Leadfield - Titus Canyon Rd 2 mi W of boundary.

SEEA notes 27-30 Nov 1980

Felis concolor californica Mearns

Mountain Lion

sign, scat: 8 July 1979 Wagguhe Peak

Sign: dead fawn: 23 July 1979 Phinney Spring

Ranger [illegible]

3-15-80

Tracks at Spring 230 – Linebaugh 12/9/77

Seen 200 yds from Spring 198 in 1955 – Welles 1959

"we trailed a Mt Lion for ½ mile here (Spring 222) in 1957 (Welles 1959)

tracks near Spring 230 12/77 Linebaugh

Lynx rufus
Wildcat, Bobcat

sign at spring 196 8/59 Welles spring book
~~seen 200 yds from spring 198 in 1955 - Welles 1959 Spring book~~
DOR - CL Douglas - Boundary Canyon Rd 2 mi W of Daylight
Spring, Aug 1980 - when I checked it out, the carcass
had been removed by scavengers.

Equus asinus
Burro

Dust walked and tracks / scat at back of Bullfrogs, along road, 30 May 79.

Scats abundant at Currie Well, 31 Mar 79 one track? and at Phinney Canyon Rd 30 May 79.

Saw one along Phinney Canyon Rd. 24 July 1979 with 7 horses and 3 mules?

Equus caballus

Horse

Saw group of 5 along Plumas Canyon Rd. approx 7 mi E of Grapevine Pk, within easy walk of Cuttle Well, 25 June 79. Saw 3 in same area 27 June. Maybe the "burro" scat is from horses?

Saw 7, 24 July 1979, with 1 burro + 3 mules?

Saw 1 mule? 19 July 1979

Sign abundant on Grapevine Pk.

Sign in canyon explored 5-6 Aug 79

Odocoileus hemionus

Mule Deer

Phinney Mine Shaft 25-27 June: found lower leg along road in wilderness area

Strozzi Ranch 7-11 July - much sign, saw 5 on trip to and from Wagnyke Pk. 2 spotted fawns, 2 doe, 1 buck.

Phinney Mine + Spring 231 dead fawn 24 July 79

Spring #230 - Log Spring - doe and fawn much sign along route covered 4-7 Aug 79

Fawn and doe seen 17 Aug 79 near spring #219. Dead fawn, skull collected, (#152) at spring 219. Much deer sign in vicinity. skull (#153) found in small canyon S of this spring.

#198 Willow Spring 24 Nov 1979 - Spot found leg

owl spring 21 Aug 1980. A single bleached antler near enough to the wreckage of the airplane to suggest it had been a souvenir of one of the people who died here.

Spring 198 - 2 large bucks & 1 doe - 7-78. Vequist

buck ½ mi. N - 12-79 Olsen

Signs at springs

211A, 218, 220, 222, 230, 230 A, 231, 232, 233, 234, 239, 239 A

Note on Corkscrew Pk (7 June 80)

Sign on Wagnyke Pk 20 May 1980

sign at Seismologic station 18 Jan 1980

saw 3 at campsite Phinney Mine 13 Sept 1980

much sign en route to Grapevine Peak 14-15 Sept 1980

Mule Deer

26 Oct | a large ♂ in sagebrush 4 mi E of Phinney Mine

Bos taurus

cow

Titus Canyon Rd 10 Mar 79 - cowpies abundant

Currie Well 31 Mar 79. Herd of 50± seen. Area very heavily impacted.

Phinney Canyon Rd. 30 May 79 - scattered individuals. Cowpies abundant

Strozzi Ranch 12 June 79 - common - noisy at night. Cowpies everywhere, particularly unsightly in stream and around springs. Cowtrails abundant.

Phinney Mine Shaft 26 June 79 - not in evidence - no water available. 29 July - cowpies (old) but no recent sign, not at Phinney Spring.

Abundant along route of 5-6 August 79 - severe overgrazing & trampling around springs

Strozzi Ranch 17-18 Aug - a few seen on hikes, one dead cow found in valley SE of ranch, horn collected on hill N of ranch

many at [illegible]

Evidence of use at Spring 206 - Olsen 1979

Use heavy at 206 - Wilkes 1959

droppings along Phinney Mine Rd above shaft - also old droppings at Doe Spring - 6 Sept 1980

cowpies near Doe Spring 26 Oct 1980

Ovis canadensis

Desert Bighorn Sheep

Sign: tracks and scat: 19 Jan 1980 Titus canyon — many tracks in mud around small pools of H_2O.
20 Jan 1980 saw some (not a whole lot) of scat in Fall canyon

scat near Fem Spring, trails near Lostman Spring, 30 July 1980.
Saw 5 in Titus Canyon 31 July 1980
1 group of 4 - 2 adult ♀♀, 2 yearlings (?)
.9 mi E of Klare Spring. 1 ♂ ½ curl
.5 mi E of Klare Spring.
21 Aug 1980. Owl Spring. Much scat near saddle north of spring about 1 mi, but no sign of sheep at spring (or even very near it.)

Desert Bighorn Sheep

Weaver, R. A. 1972. Desert bighorn sheep in Death Valley National Monument and adjacent areas. State of California. The Resources Agency. Department of Fish and Game. Wildlife Management Administrative Report No. 72-4.

"In 1891, Edward A. Nelson visited the type locality and took the type specimen of the Nelson bighorn in the Grapevine Mountains. Both Nelson and Hansen report that bighorns are very scarce in these mountains today; however, deer are common. This suggests a plant succession has taken place that favors deer. Old time wood cutters cutting timbers over for mines, fences, and perhaps charcoal, denuded much of this area which probably changed the plant succession."

p 4. Table I

	1972 estimate	1961 Est. (Welles)
Grapevine Mts.		
Grapevine Mts., upland	10	20
Klare Spring	30	30
Dawson Spring }	10	30
Corkscrew Spring }		
Hole in the rock	Transient	3
Death Valley Buttes	Transient	27
	subtotal 50	

(over)

p10. Predation. "An incident was reported by Olver, Department of Fish and Game Warden (1981), of a pair of golden eagles attacking and killing a yearling bighorn in the Grapevine Hills. Such an occurrence is unique, ordinarily eagles pose no threat to yearling bighorn

p11. Competition. "Cattle graze in a part of the Grapevine range ... Competition with bighorn for grass could be anticipated in these areas."

p11. Poaching. Welles (p.c.) reported to me that residents of Bradley, Shoshone, and other desert communities regularly poached bighorn in the Grapevine and Black Hills. I went to the area and began actively studying bighorn. During the period of my study, poaching occurred."

ingsley
980

Bighorn Sheep

21 Aug — Tracks and scat between Titus Canyon Rd and Owl Spring, 197A, including a concentration in wash about 3/4 mile N of spring. Sign absent at spring - could they be frightened off by airplane wreck?

22 Aug — Tracks and scat en route to Willow Spring 198; trails around spring. Also tracks and scat around Bullfrog Spring 196. Not abundant, but conspicuous.

— — Ram seen near Upper Leadfield Spring 1500 hrs.

— — much sign around Epipactis Spring 208B and Klare Spring 205

23 Aug — A few tracks and scat in wash approaching Corkscrew Spring 194.

7 Sept. — .5 mi E of Klare Spring along Titus Canyon Rd. Found a dead ~5 year old ewe. Some hands running along wash bank, stopped to watch it. Bob Winokur spotted corpse of ewe at or near place where lamb started. It was at the bottom of a rocky 10 foot embankment. Red froth by blood was coming from nose and mouth. No external injuries visible, no obvious broken bones. Limbs and neck were soft and flexible. She was somewhat bloated and beginning to smell, attracting some flies and a sexton beetle. Reported this to C. Douglas, who reported it to Pete Sanchez who said that another dead animal with similar appearance had been found recently in another part of the monument. I suggested pneumonia as cause of death, Pete concurred. Kathy Hamilton reported much coughing among sheep at Quartz Spring this weekend.

Kingsley
1980

Bighorn Sheep

28-29Oct Much sign in canyon leading from Phinney Pass to Death Valley. Potholes in narrows and Spring 237 appear heavily used. Found complete skeleton of yearling ♂ in small side canyon near map location of spring 236.

19 Nov Klare Spring. We saw a young (yearling or 2yr old) ram on ridge S of spring. Margaret saw 5 or 6 approach spring. She thought she heard rams fighting 3 mi W of Klare spring, she saw droppings there. I thought I heard fighting 1/2 mile E of mouth of Titus canyon.

28 Nov Considerable sign, bedding grounds and droppings and tracks in canyon around spring 237A. Some, but not much, sign around Spring 238.